

FINAL REPORT

**Groundwater IRM
4th Quarter and Annual Summary 2013
Groundwater Monitoring Report**

**GE Aviation
10361/51110**

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4th Quarter and Annual Summary 2013
Groundwater Monitoring Report**

Evendale, Ohio

**Prepared for:
GE Aviation**

10361/51110



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1 INTRODUCTION

O'Brien & Gere has prepared this report on behalf of the General Electric Company (GE) to present the results of groundwater monitoring activities conducted during October through December 2013 (herein referred to as Fourth Quarter 2013). Groundwater monitoring was conducted to monitor the temporal effect on groundwater conditions of a groundwater Interim Remedial Measure (IRM). The groundwater IRM, which includes the operation of seven groundwater extraction wells and a groundwater treatment plant (GWTP), has been installed on the southern portion of the GE Aviation manufacturing facility (Facility) in Evendale, Ohio, within an area known as former Air Force Plant 36 (AFP 36) (Figure 1). The groundwater remedial measure was initiated as an IRM under a Resource Conservation and Recovery Act (RCRA) Corrective Action Permit with the objective of mitigating off-site migration of compounds of potential concern (COPCs), while minimizing the risk of cross-contamination and/or reducing the effectiveness of biodegradation processes.

In addition, the Second Semiannual 2013 (Site-wide semiannual) groundwater sampling event was performed from October 29 through October 30, 2013, associated with the RCRA Corrective Action Program at the Facility. Historically, groundwater monitoring has been conducted periodically since 1988, with the monitoring network expanding between 1998 and 2009. Quarterly or semiannual groundwater sampling has been conducted consistently at the Facility since 2007.

Groundwater monitoring data are evaluated and reported after each sampling event, including evaluations of quality assurance, cross-contamination potential, and significant short-term anomalies. Long-term trends and overall remediation progress will be evaluated and reported annually, at the end of each year.

Groundwater monitoring activities were conducted in accordance with the approach and methods outlined in detail in the *IRM Performance Monitoring Plan* (PMP), prepared by O'Brien & Gere (2010). The groundwater monitoring network consists of a total of 116 wells completed in three water-bearing units (Perched Zone, Upper Sand and Gravel (USG), and Lower Sand and Gravel (LSG)). As outlined in the PMP, the general scope of groundwater monitoring activities includes:

- Groundwater level monitoring using manual electronic as well as pressure transducer measurements at frequencies outlined in the PMP. Monitoring was conducted using a total of 66 wells completed in the Perched Zone (21 wells), USG (23 wells), and LSG (22 wells).
- Groundwater quality sampling using passive diffusion bag samplers (PDBs) for analysis of volatile organic compounds (VOCs) and field bioparameters (*e.g.*, dissolved oxygen [DO] and oxidation-reduction potential [ORP]) in accordance with frequencies outlined in the PMP. Groundwater samples were collected from a total of 44 wells completed in the Perched Zone (12 wells), USG (17 wells), and LSG (15 wells).
- Monthly sampling of groundwater from actively pumping extraction wells for analysis of VOCs.
- Evaluation of data from groundwater level and quality monitoring, including statistical analysis to address hydrogeologic conditions of stability (equilibrium) and potential cross-contamination.

In accordance with the PMP, the results of groundwater monitoring are to be presented in quarterly monitoring reports.

The semiannual groundwater monitoring network consists of 36 monitoring wells. The wells are sampled using PDBs for analysis of VOCs and field bioparameters in accordance with the U.S. Environmental Protection Agency (USEPA)-approved August 2009 Work Plan. Groundwater samples were collected from 36 wells completed in the Perched zone (13 wells), USG (11 wells), and LSG (12 wells). Approximately 50% of these wells are included in the groundwater IRM monitoring program.

2 METHODS AND RESULTS

As outlined in the PMP, Hydraulic Control Monitoring was conducted to evaluate whether the current IRM configuration (*i.e.*, extraction rates and well locations) is achieving the desired capture zone (*i.e.*, hydraulic control), while not exacerbating groundwater contamination. Progress Monitoring was initiated at the conclusion of Hydraulic Control Monitoring for the Perched, USG and LSG when the capture zones for these units were verified and long-term monitoring/evaluation of changes in COPC concentrations in these units was initiated. Hydraulic Control and Progress Monitoring consists of groundwater level and quality monitoring at locations depicted in Figure 1.

The semiannual groundwater monitoring program is conducted to evaluate the temporal and spatial distribution of COPCs. The semiannual monitoring locations are also depicted in Figure 1.

Methods and procedures for groundwater level and quality monitoring were conducted in accordance with the USEPA approved Sampling and Analysis Plan (SAP) (O'Brien & Gere, 2009) and the PMP.

2.1 GROUNDWATER LEVEL MONITORING

Groundwater level monitoring consisted of manual measurements and variable automated measurements (*i.e.*, pressure transducers). Progress monitoring for the Fourth Quarter 2013 included monitoring the wells, at the frequency of monitoring as outlined in the PMP, as summarized in Table 1. Tables 2 and 3 provide a summary of the wells included in hydraulic control and progress monitoring, as well as the semiannual groundwater sampling program.

2.2 GROUNDWATER QUALITY MONITORING

Groundwater quality samples were collected for VOC analysis from a total of 44 wells completed in the Perched Zone (12 wells), USG (17 wells), and LSG (15 wells) in fulfillment of Fourth Quarter 2013 IRM performance monitoring plans. Groundwater samples were also collected from a total of 36 wells completed in the Perched Zone (13 wells), USG (11 wells), and LSG (12 wells) at the same time for the semiannual groundwater sampling event in accordance with the August 2009 Work Plan; however, approximately 50% of these wells are included in the groundwater IRM monitoring program. Between the two monitoring programs, samples were collected from a total of 62 wells in Fourth Quarter 2013.

Groundwater influent and effluent samples were collected for VOC analysis at sampling ports located before (influent) and after (effluent) the air stripper unit at the GWTP. Influent and effluent samples were collected semi-monthly during the Fourth Quarter 2013. Groundwater samples were also collected for VOC analysis from each actively pumping extraction well at a sample port located at the extraction well vault. The extraction well samples were collected monthly.

2.3 FIELD OBSERVATIONS

Manual and automated groundwater level data are presented in hydrographs and discussed in Section 3.1. Groundwater elevation contour maps for the Perched Zone, USG and LSG units on January 10, 2014 are presented in Figures 2, 3 and 4, respectively, and are discussed further in Section 3.1.3.

Field groundwater quality measurements collected during this quarter are summarized in Table 4. These measurements were generally within previously measured values for wells installed in the Perched Zone, USG and LSG units.

2.4 ANALYTICAL RESULTS

Groundwater analytical results for this quarter are summarized in Table 4. Laboratory analytical reports for the Fourth Quarter 2013 and the semiannual sampling programs are included in Appendix A.

2.5 QUALITY ASSURANCE/QUALITY CONTROL

IRM Performance Monitoring

Field quality control (QC) samples included trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs). These samples were collected in accordance with the site PMP at a frequency of one blind duplicate and MS/MSD per twenty samples and one equipment blank, either per day or per twenty samples, whichever was more frequent. One trip blank was submitted for analysis with each cooler containing groundwater samples for VOC analyses. The QC samples were prepared in accordance with Section 3.3 of the SAP, using the frequencies specified in the Quality Assurance Project Plan (QAPP) tables contained in the SAP. Laboratory QA measures are identified in the SAP.

The laboratory analytical results for VOCs underwent Level A data review and verification by O'Brien & Gere in accordance with Appendix C of the PMP. Details of data verification results for Fourth Quarter 2013 are included in Appendix B-1.

In summary, no significant exceptions that affect data usability were noted. Data quality review comments are noted in Appendix B-1, including that (1) chain-of-custody forms are complete, (2) laboratory analysis and preparation are in accordance with the QAPP, (3) blanks/LCS/MS/MSDs are within control limits, (4) reporting limits were met, and (5) the QA frequency is correct.

Semiannual Groundwater Monitoring

In addition, quality assurance/quality control samples for the semiannual groundwater sampling program were collected in accordance with the SAP consisting of field duplicates, matrix spike/matrix spike duplicates and equipment blanks. The laboratory analytical results for the semiannual groundwater sampling program were validated by O'Brien & Gere Engineers, Inc. to assess data quality. Data validation was performed in accordance with the USEPA-approved June 2009 SAP. The overall data usability with respect to completeness is 100 percent for the VOC data. The VOC data were also determined to be usable for qualitative and quantitative purposes. The data validation summary report is provided in Appendix B-2.

2.6 STATISTICAL ANALYSIS

Statistical methods involving trend analysis and the development of tolerance limits were applied to groundwater level and quality data for the IRM sampling program monitoring wells in accordance with procedures detailed in Appendix B of the PMP.

Statistical analysis of groundwater level and quality data was conducted to evaluate stability (steady-state conditions), potential cross-contamination, and the need for pumping optimization.

Details of each statistical method and application are included in Appendix B of the PMP. Statistical analysis of groundwater levels using Methods I and III of Appendix B were modified to improve sensitivity of the statistical analysis and the level of accuracy applied to trigger values.

3 DATA EVALUATION

Groundwater elevation data were used to evaluate the potential for cross-contamination and attainment of equilibrium conditions as well as to estimate the capture zone of each extraction well(s) for comparison of actual and predicted groundwater flow paths and system design. Groundwater quality data were used to assess the pumping risk associated with vertical and/or lateral cross-contamination, as well as to measure remedial progress.

To assist in evaluating groundwater elevation and quality data and trends, the following summary of extraction well flow rates and durations are provided for the Fourth Quarter 2013:

- The overall IRM System was shut down from October 7, 2013 until October 9, 2013 for routine maintenance, and from October 14, 2013 until November 21, 2013 due to concerns related to post-maintenance air stripper tray alignment and performance issues, and was shut down again from December 16, 2013 until December 19, 2013 for maintenance
- Perched Zone – 45 gallons per minute (gpm) (EW-4P) to 55 gpm (EW-2P) – EW-5P was placed back into service after an extended shut down (since July 30, 2013) on December 23, 2013 after repair/replacement of the pump in this well
- USG – 35 gpm (EW-7S) – however, EW-7S was cycled on-off, with several days on and then a couple days off, to reduce the wear on the pump from cycling on a daily basis due to low yield
- LSG – 50 gpm (EW-3D and EW-8D)
- The overall IRM system average flow rate was 259 gpm and the run-time was approximately 55% due to the aforementioned maintenance requirements.

3.1 GROUNDWATER ELEVATION DATA

Groundwater elevation data were used to create hydrographs and calculate vertical hydraulic gradients between select nested wells for trend and statistical analysis. The results of these analyses were used to evaluate the occurrence of cross-contamination and equilibrium conditions, as outlined in the PMP, as well as estimate the capture zone of each extraction well(s).

3.1.1 Groundwater Levels and Pumping Influence

Hydrographs for monitoring wells from the Perched Zone, USG, and LSG are included in Appendix C, as presented in Figures C-1 through C-5. The dates of pertinent startup and pumping rate changes, if any, are identified on these figures. Noteworthy observations include:

- A period of significant groundwater recovery within the Perched Zone, USG and LSG coincided with shutdown of the IRM system pumping from October 14, 2013 until November 21, 2013.
- Groundwater levels during the early Fourth Quarter 2013 increased in response to fall rainfall events and the extended shutdown of the IRM system; followed by decreased groundwater levels due to the startup of pumping on November 21, 2013. Background groundwater levels were increasing during Fourth Quarter 2013 due to rainfall. Significant rainfall events occurred on October 5 and 6, 2013 (1.37 and 2.26 inches, respectively), November 17, 2013 (1.36 inches), December 5, 2013 (1.05 inches) and December 21, 2013 (1.55 inches).
- Even with the significant recovery of groundwater levels during the extended shutdown of the IRM system, by the end of the Fourth Quarter 2013 the depression of groundwater levels in the Perched Zone, USG and LSG was re-established (Figure C-1 through C-5).

3.1.2 Vertical Hydraulic Gradients

Hydrographs of select nested wells for the evaluation of vertical hydraulic gradients are included in Appendix D, as presented in Figures D-1 through D-9. Figure D-1 shows background conditions at the GM-9 nested wells. Noteworthy observations include:

- The reversal in vertical gradients in the AF-4P/S and AF-7P/S nested series (see Figures D-2 and D-3, respectively) was re-established within four days after the startup of the system.
- The vertical gradient between the USG and LSG at the AF-11S/D and OSMW-4S/D nested series (see Figures D-4 and D-5) generally reverted to downward during the Fourth Quarter 2013 due to the on-off cycling of EW-7S and the system shutdown.

A summary of statistical analysis of vertical gradients between the water-bearing units is presented in Tables 5 through 7. The results indicate no significant increasing or decreasing trends that would suggest that flow in the aquifers are not at steady state or that downward vertical gradients are an indication of vertical cross-contamination. Observed fluctuations in gradient and drawdown were attributable to the shutdown or startup of the IRM system and autumn rainfall events.

3.1.3 Steady-State and Capture Zone Estimates

Statistical analyses to evaluate steady-state or equilibrium conditions are summarized in Table 8. The results indicate stable to increasing (positive) trends due to regional (seasonal) increasing water levels and also in response to the extended shutdown of the IRM system, and no significant variation in flow through the aquifer. The capture zones were re-established quickly after the startup of the IRM system.

Using groundwater elevation data, and correcting for background conditions, the estimated capture zone of the Perched Zone, USG, and LSG extraction wells is shown in Figures 2 through 4, respectively. The estimated capture zones of the Perched Zone, USG and LSG extraction wells approximate or exceed the capture zones as designed, and the capture zones and drawdowns are indicative of steady-state conditions.

3.2 GROUNDWATER QUALITY DATA

Groundwater quality data were summarized via time-series analyses for individual and nested monitoring wells. Statistical analyses were also conducted to assess pumping risk associated with vertical and/or lateral cross-contamination.

3.2.1 Monitoring Well Data – Cross Contamination Analyses

Field bioparameters (*e.g.*, DO, ORP and pH) are measured to monitor whether pumping is having a detrimental effect on water quality conditions (*i.e.*, cross-contamination and/or reducing the effectiveness of biodegradation processes). Field measurements of DO, ORP and pH from select monitoring wells (Perched Zone, USG and LSG, and nested wells) are summarized in time-series graphs included in Appendix E, as presented in Figures E-1 through E-14. The field data are relatively stable and do not appear to indicate cross-contamination or a reduction in the effectiveness of biodegradation processes within the Perched Zone, USG and LSG.

Groundwater quality data for total VOCs from select monitoring wells are also summarized in time-series graphs included in Appendix E, as presented in Figures E-1 through E-14. These include data for select Perched Zone, USG and LSG, and nested wells. The results were either stable or decreasing with the following exceptions:

- VOC concentrations increased in PMW-3P, due to increases in TCA and TCE during the Fourth Quarter 2013, possibly related to rebound associated with the shutdown of the IRM system. Cis 1,2-DCE concentrations continued to decrease after peaking during the Fourth Quarter 2012.
- VOC concentrations in PMW-3S (E-5 and E-6) and PMW-3D (E-6) decreased during the Fourth Quarter 2013; however, cis 1,2-DCE concentrations in PMW-3S increased in inverse proportion to the decreasing concentrations of TCE.

- VOC concentrations in AF-9S (E-10), which had been decreasing, increased during the Fourth Quarter 2013. These wells will continue to be monitored to evaluate these conditions.

A statistical summary of introwell analysis to evaluate the potential for vertical and lateral cross-contamination is presented in Table 9. Statistical analysis of nested and off-site wells for comparison with baseline quality (*i.e.*, TCE-group and TCA-group Upper Tolerance Limits [UTLs]) is summarized. The results are not an indication of vertical or lateral cross-contamination, with the following exceptions:

- OSMW-8D - triggered for the TCE Group by VC concentrations, which increased during the Fourth Quarter 2013.

3.2.2 Extraction Well and Influent

Groundwater quality data for extraction wells and IRM system influent samples are included in Appendix F, as presented in Figures F-1 through F-9. Total VOC and individual CVOC concentrations for the combined influent from the active extraction wells are shown in Figure F-1. Total VOC concentrations over time for individual extraction wells are presented in Figure F-2. Time series plots of individual CVOC constituents for each Perched Zone, USG and LSG extraction well are shown in Figures F-3 through F-9. The data indicate steady or decreasing concentrations of CVOCs, except:

- Total VOCs concentration (F-2) and cis 1,2-DCE and VC concentrations in EW-7S (F-7) increased during the Fourth Quarter 2013, which may indicate the capture of more impacted groundwater near EW-7S and less low-impacted groundwater further away from EW-7S as the capture zone for this well has decreased slightly¹.

A statistical summary of extraction well and IRM system influent analysis to evaluate the progress of the IRM system is presented in Table 10. The results were either stable (no significant trends) or decreasing (as evident by significant negative trends).

3.2.3 Semi-Annual Monitoring Wells

Historical groundwater analytical results from the sampled wells are summarized in three figures graphically depicting concentrations of TCE, cis-1,2-DCE, 1,1-DCE, VC, TCA, DCA, and total VOCs in the Perched zone (Figure 5), USG (Figure 6), and LSG (Figure 7).

For the majority of semiannual monitoring wells sampled during October 2013, the results for these wells compare favorably (*i.e.*, stable or declining trends) with historical data and the current results, falling below previous maximums or within the range of typical variation for the historical groundwater data (particularly recent historical data since 2009) with the following exceptions:

- Perched Zone** - wells AF-24P and AF-25P concentrations showed a decreasing trend since system startup; however, concentrations of 1,1,1-TCA and/or TCE (and in some cases their daughter products) have increased for recent sampling events, but remain below steady-state concentrations established prior to IRM system startup. TCA, TCE, and cis 1,2-DCE concentrations increased in PMW-3P during the Fourth Quarter 2013 sampling event, possibly related to rebound associated with the shutdown of the IRM system. OSMW-2P concentrations of cis 1,2-DCE and VC decreased during this sampling event reversing a prior increasing trend during 2013.
- USG** - wells OSMW-1S and OSMW-8S (decreasing trend since system startup; however, concentrations have increased over the past recent sampling events, but remain below peak concentrations established prior to IRM system startup); AF-9S (remained similar to the last sampling event, but remained elevated); and OSMW-10S (increased recently; however, concentrations are less than peak concentrations). The increase in the total VOCs at OSMW-9S is due largely to an increase in acetone concentrations. Cis 1,2-DCE

¹ When comparing graphics, note that combined influent samples are collected twice per month (Figure F-1) whereas individual extraction well samples are collected once per month (Figure F-2).

concentrations increased in PMW-3S during recent sampling events, possibly related to the degradation and decreasing concentrations of TCE.

- **LSG** - wells OSMW-6D, OSMW-7D, and OSMW-8D showed increasing concentrations since last semiannual event, with acetone concentrations skewing the total VOC concentration in OSMW-6D. Concentrations of VC in OSMW-6D increased to near historical peak levels since the last semiannual sampling event, reversing the stable to decreasing trend since start up. OSMW-8D concentrations of VC increased since the last semiannual sampling event continuing an overall increasing trend. Concentrations in wells OSMW-4D and TMW-2D continued to decrease after showing a recent increasing trend. The total VOC concentration was skewed by the detection of acetone (either solely or at a substantial percentage) in wells AF-7D, AF-19D, OSMW-9D, OSMW-10D, and PMW-2D.

COPC concentrations for the majority of wells north of USAF Plant 36, (such as AOC LDMW-1S, AOC PSTMW-1SR, AOC PSTMW-2S) and the OSMW-5S/D well nest continue to show decreasing or stable concentrations (within the range of typical variation for the historical groundwater data) with the following exceptions:

- OSMW-5S - the VC concentration showed a slight decrease, but remains part of an overall continuing increasing trend for the last few semiannual events.

4 SUMMARY

Groundwater monitoring during the Fourth Quarter 2013 consisted of the collection and analysis of groundwater level and quality data to evaluate the occurrence of cross-contamination and significant short-term anomalies.

The active pumping continues to reverse the regional downward gradient near the extraction wells, contrasting similar groundwater levels in those nested wells completed in communication areas, and continues to maintain capture zones in the Perched Zone, USG and LSG that approximate, or are greater than, the designed capture zones, meeting an objective of the groundwater IRM.

Groundwater quality data do not show significant trends in VOC concentrations indicative of cross-contamination, based on nested wells completed in the Perched Zone, USG and LSG units.

Highlights of significance since the last monitoring event include:

- Cis 1,2 DCE in PMW-3S increased in inverse proportion to TCE.
- OSMW-8D has shown increasing concentrations of VC (from 22 µg/l in November 2011 to 52 µg/l during the Fourth Quarter 2013 sampling event). Similarly, the VC concentrations in OSMW-6D increased during the Fourth Quarter 2013.
- There is no apparent increased risk of vertical or lateral (including potential off-site sources of) cross-contamination at the present pumping rates based on available data, except possibly in the area of PMW-3S/D² and OSMW-10S. Monitoring to date indicates that the concentration fluctuations are “normal” for this area of the site and vary due to seasonal fluctuations in creek levels, the presence of a co-mingled plume (off-site source), and temporal changes in groundwater flow directions. Therefore, future monitoring will return to the quarterly frequency outlined in the PMP.

4.1 SEMI-ANNUAL MONITORING

Analytical results for the October 2013 semiannual sampling event (including groundwater IRM monitoring) showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical and recent data. Increasing VOC concentrations were observed in select monitoring wells associated with plume movement/recovery (AF-24P and AF-25P) related to startup and operation of the groundwater IRM system. Some notable increases in concentrations not apparently related to plume movement or recovery include wells OSMW-1S and OSMW-8S/D.

Wells completed in the USG downgradient of the facility (OSMW-8S and OSMW-9S) continue to show an increase in concentrations of VC and/or cis 1,2-DCE. VC concentrations in OSMW-6D and OSMW-8D increased during the Fourth Quarter 2013.

² VC and cis 1,2-DCE increases at PMW3S/D, coupled with a nearby southwesterly groundwater flow direction; suggest potential off-site (to the east) source(s). Recent data may indicate a near-term stabilization or decrease of concentrations. Concentration trends and groundwater flow direction will continue to be monitored.

5 ANNUAL SUMMARY - 2013

A summary and evaluation is provided of key findings from groundwater IRM system operation and monitoring data collected during 2013. The IRM system was monitored in accordance with the USEPA-approved PMP during 2013, including IRM performance monitoring (influent and effluent concentrations), and groundwater quality and hydraulic (water level) monitoring associated with the IRM system. In addition, semiannual groundwater quality monitoring during 2013 was conducted in accordance with the USEPA-approved August 2009 Work Plan.

5.1 IRM SYSTEM OPERATIONS

To assist in reviewing 2013 groundwater monitoring data and trends, the following summary is provided for the IRM system operations:

- The system operated for a total of 308 days or 84% in 2013, with short-term shut down of a few hours to a day for routine maintenance. The system was shut down for more extensive maintenance during the following periods:
 - » February 7, 2013 until February 15, 2013 due to the failure of the actuator on the automatic effluent valve
 - » October 14, 2013 until November 21, 2013 due to concerns related to post-maintenance air stripper tray alignment and performance issues.
 - » December 16, 2013 until December 19, 2013 due to maintenance.
- Perched zone extraction well EW-5P was also shut down from July 30, 2013 until December 23, 2013 due to pump failure, which was subsequently repaired/replaced. During this period, the pumping rates of EW-2P and EW-4P were increased 10 gpm to compensate for the reduction in Perched zone pumping.
- USG extraction well EW-7S was also shut down for redevelopment from June 17, 2013 through July 8, 2013. Redevelopment failed to restore its well capacity; therefore, EW-7S was allowed to cycle on and off at first based on level sensor settings. After the October/November shut down, EW-7S was manually cycled on-off, with several days on and then a couple days off, to reduce the wear on the pump from daily cycling.
- The average IRM system extraction (flow) rate during operation was approximately 295 gpm in 2013, with the extraction rate from each water-bearing zone as follows:
 - » Perched Zone extraction system:
 - » EW-2P: 45 gpm
 - » EW-4P: 37 gpm
 - » EW-5P: 39 gpm
 - » EW-6P: 48 gpm
 - » USG extraction well EW-7S operated at approximately 30 gpm
 - » LSG extraction wells EW-3D and EW-8D operated at approximately 48 gpm each.
- A total of 131 million gallons of groundwater were extracted by the IRM system in 2013.

5.2 GROUNDWATER ELEVATION DATA

Groundwater elevation data were used to create hydrographs and calculate vertical hydraulic gradients between select nested wells for trend and statistical analysis. The results of these analyses were used to evaluate the occurrence of cross-contamination and equilibrium conditions, as outlined in the PMP, as well as estimate the groundwater flow paths and capture zone of the extraction wells. Highlights are summarized as follows:

- Groundwater Levels and Pumping Influence:
 - » Allowing for seasonal fluctuations in regional groundwater levels, the depression of groundwater levels established in 2011 in the Perched and LSG were maintained in 2013. Although significant recovery occurred during the extended system shutdown in October-November 2013, the capture zones were re-established by the end of 2013.
- Vertical Hydraulic Gradients:
 - » In most areas of Perched Zone pumping, the vertical gradient between the Perched Zone and USG is upward due to pumping reversing the regional downward vertical gradient between the Perched Zone and USG. This gradient reversal was re-established following restart of the IRM system after extended system shutdown. However, the vertical gradient between the USG and LSG in the area of EW-7S (*i.e.*, AF-11S/D and OSMW-4S/D) has generally reverted to downward during the Fourth Quarter 2013 due to the extended shutdown of the system and reduction and cycling of EW-7S (see Figures D-4 and D-5). A review of effluent concentrations from EW-7S indicates that EW-7S pumping rate modifications have not affected the capture of elevated CVOC concentrations. CVOC concentrations have increased due to the reduction in the capture zone and amount of less-impacted water captured by EW-7S. In addition, the concentrations in AF-11S and OSMW-4S have remained relatively stable even with the reduction in the USG pumping.
 - » In areas of relatively greater permeability between the major water-bearing zones, groundwater elevations in nested wells were similar to one another. For the Perched Zone/USG communication area, see OSMW-1P/S (Figure D-6, although some upward gradient does appear to have been established between the Perched Zone and USG) and PMW-3P/S (Figure D-7). For the USG/LSG communication area, see AF-9S/D (in the communication area, see Figure D-8) in comparison to OSMW-3S/D (not in the communication area, see Figure D-9).
 - » The results indicate no significant increasing or decreasing trends in vertical hydraulic gradients, except during the extended shutdown period and within three weeks of the restart of the IRM System, suggesting that flow in the aquifers reached steady state under pumping conditions within about three to four weeks after restart of the IRM System.
 - » Exceptions to the above were generally the result of temporal changes due to seasonal fluctuations in groundwater levels, or due to extended system shut downs, and did not appear to be indicative of vertical cross-contamination.
 - » In 2013, there were no increased risks of vertical cross-contamination observed at the 2013 pumping rates, with the exception of the area of PMW-3S/D. Vinyl chloride concentration increases at PMW3S/D, coupled with a nearby southwesterly groundwater flow direction; suggest potential off-site (to the east) source(s). CVOC concentrations in these wells remain below peak concentrations measured in 2012 and early 2013. Accelerated monitoring to date indicates that the concentration fluctuations are “normal” for this area of the site and vary due to seasonal fluctuations in creek levels, the presence of a co-mingled plume (off-site source), and temporal changes in groundwater flow directions. Data collected in October 2013 indicate stabilization or decrease of concentrations and monitoring in 2014 will return to the quarterly frequency outlined in the PMP.

- Steady-State and Capture Zone Estimates:
 - » Allowing for seasonal fluctuations in regional groundwater levels, the steady-state conditions established in 2011 continued in 2013 in the Perched Zone and LSG, except during the extended shutdown of the IRM system. Steady-state conditions that were established in the First Quarter 2012 in the USG continued in 2013 except during the two extended EW-7S shutdown periods and were re-established by the end of the Fourth Quarter 2013.
 - » Steady-state conditions allowed continuation of Progress Monitoring in the Perched Zone, USG and LSG in 2013.
 - » The estimated Perched Zone, USG and LSG capture zones (Figures 2 through 4) observed in 2013 approximate the capture zones as designed, with each capture zone approximately equal to or slightly larger than designed and extending further eastward in the Perched Zone and LSG.

5.3 GROUNDWATER QUALITY DATA

Groundwater quality data were used to assess the pumping risk associated with vertical and/or lateral cross-contamination, as well as to measure remedial progress. Highlights of this evaluation include:

- Monitoring Well Data – Cross Contamination Analyses:
 - » Field bioparameter data collected in 2013 were relatively stable and do not appear to indicate cross-contamination or a reduction in the effectiveness of biodegradation processes within the Perched Zone, USG and LSG.
 - » In 2013, there was no increased risk of vertical cross-contamination observed at the 2013 pumping rates based on available data. An exception is the area of PMW-3S/D, which had increased in concentrations and triggered a statistical exceedance for potential vertical or lateral (from off-site) cross-contamination during the Second Quarter 2012, but have subsequently decreased or remained stable. As indicated above, concentrations peaked during the Third Quarter 2012, and monitoring in 2014 will return to the quarterly frequency as outlined in the PMP. Similarly, the Fourth Quarter 2012 results from OSMW-10S also indicated a potential increased risk of vertical or lateral (off-site) cross-contamination; however, concentrations generally decreased from these peak concentrations during 2013, but rebounded slightly during the Fourth Quarter 2013 and will continue to be monitored on a quarterly schedule.
- Extraction Well Influent – Chemical Data
 - » The data indicate steady state or decreasing concentrations in CVOCs and Progress Monitoring will continue for the Perched Zone, USG and LSG.
 - » Decreasing influent concentrations in the Perched extraction wells are predominantly related to the decrease in TCE concentrations in extraction wells EW-4P, EW-5P, and EW-6P and TCA concentrations in extraction well EW-4P (see Figures F-2 through F-9, and Table 10). The influent analytical data will continue to be monitored during the First Quarter 2014 to evaluate pumping rate adjustments for the wells.
 - » Fourth Quarter 2013 increase in cis 1,2-DCE and VC concentrations at EW-7S (Figure F-7) may indicate the capture of more impacted groundwater near EW-7S as the capture zone for this well has decreased slightly.
 - » Decreases in other extraction well concentrations in 2013 for individual constituents do not indicate the need for IRM system optimization at this time.

5.4 SEMIANNUAL GROUNDWATER QUALITY DATA

Semiannual analytical results for 2013 showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical and recent data. Increasing VOC concentrations were observed in select

monitoring wells associated with plume movement/recovery (AF-24P and AF-25P) related to startup and operation of the groundwater IRM system.

Some notable increases in concentrations not apparently related to plume movement or recovery include wells OSMW-1S, OSMW-6D and OSMW-8S/D:

- » Wells completed in the USG downgradient of the facility (OSMW-8S and OSMW-9S) continue to show an increase in concentrations of VC and/or cis 1,2-DCE
- » VC concentrations in OSMW-6D and OSMW-8D have also increased recently and are approaching historic peak concentrations and will continued to be monitored through routine sampling.

6 REFERENCES

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- U.S. Environmental Protection Agency, 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities: Unified Guidance. EPA 530-R-09-007. March 2009.

Tables

Table 1

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Location and Frequency of Hydraulic and Chemical Monitoring (4Q-13)

Hydraulic Monitoring		
Group A	Group B	Group C
Recorded every 30 minutes; downloaded quarterly ¹	Manual - quarterly ¹	Manual - quarterly ¹
AF-4P	AF-5P	AF-2P
AF-4S	AF-5S	AF-8S
AF-7P	AF-6P	AF-14P
AF-7S	AF-6S	AF-14S
AF-7D	AF-10P	AF-15D
AF-9S	AF-10S	AF-17D
AF-9D	AF-12P	AF-23P
AF-11S	AF-12S	H-223
AF-11D	AF-12D	OSMW-6D
AF-19S	AF-13P	OSMW-7D
AF-19D	AF-13S	OSMW-9S
AF-25P	AF-20S	
GM-9P	AF-20D	
GM-9S	AF-21D	
GM-9D	OSMW-2P	
OSMW-1P	OSMW-9D	
OSMW-1S	OSMW-11P	
OSMW-1D	OSMW-11S	
OSMW-3S	PMW-2D	
OSMW-3D	PMW-4D	
OSMW-4S	PMW-5P	
OSMW-4D	PMW-6P	
OSMW-10P	TMW-2P	
OSMW-10S	TMW-2S	
OSMW-10D	TMW-2D	
PMW-3P		
PMW-3S		
PMW-3D		
TMW-1P		
TMW-1S		
Groundwater Sampling		
Group D		
Quarterly ^{2,3,4}		
AF-4P	AF-25P	OSMW-11S
AF-4S	OSMW-1P	OSMW-11D
AF-5P	OSMW-1S	OSMW-12P
AF-5S	OSMW-1D	OSMW-13P
AF-6S	OSMW-3S	PMW-2D
AF-7P	OSMW-3D	PMW-3P
AF-7S	OSMW-4S	PMW-3S
AF-7D	OSMW-4D	PMW-3D
AF-9S	OSMW-6D	PMW-4D
AF-11S	OSMW-9S	TMW-1P
AF-11D	OSMW-9D	TMW-1S
AF-13P	OSMW-10P	TMW-1D
AF-13S	OSMW-10S	TMW-2S
AF-19S	OSMW-10D	TMW-2D
AF-19D	OSMW-11P	

¹ Semi-weekly = every half week; Semi-monthly = every half month; Bi-monthly = every two months

² USEPA Methods 8260B as per QAPP (O'Brien & Gere, 2009)

³ Data Validation - Level A for all sampling, except verification re-sampling at Level B (see Appendix C)

⁴ For a complete list of analytes and frequencies, see Table 10 of the Performance Monitoring Plan (O'Brien & Gere, 2010)

Table 2

GE OHD 000 817 312

GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴	
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)		
Perched															
	AF-2P	AF-2P	AF-2P		456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46	
			AF-3P		456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42	
	AF-4P	AF-4P		T	456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21	
	AF-5P	AF-5P	AF-5P		455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75	
	AF-6P	AF-6P			456059.85	1417402.52	559.80	561.68	2.00	27.70	532.10	32.70	527.10	35.34	
	AF-7P	AF-7P	AF-7P	T	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43	
	AF-10P	AF-10P			456127.64	1416977.53	559.90	561.48	2.00	17.40	542.50	22.40	537.50	23.68	
	AF-12P	AF-12P			456295.77	1416183.22	574.20	575.05	2.00	14.50	559.70	19.50	554.70	20.78	
	AF-13P	AF-13P			456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45	
		AF-14P			456528.73	1416790.19	559.53	558.54	2.00	17.50	542.03	27.50	532.03	28.92	
	AF-23P	AF-23P	AF-23P		457010.00	1417595.00	560.00	559.75	2.00	22.88	537.12	32.88	527.12	32.15	
	AF-24P		AF-24P		456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40	
	AF-25P	AF-25P	AF-25P	T	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10	
	AF-26P				456122.18	1417674.94	558.30	557.78	2.00	30.96	527.34	40.96	517.34	35.44	
			AOC LDMW-1S		457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90	
			AOC PSTMW-1SR		459022.76	1417784.33	556.91		2.00						
			AOC PSTMW-2S		458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50	
	GM-3P				457074.62	1418304.17	559.50	559.24	2.00	19.30	540.20	29.30	530.20	29.3 ⁵	
	GM-9P	GM-9P		T	457104.10	1417217.11	560.30	559.95	2.00	18.00	542.30	28.00	532.30	27.65	
			H-221		454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65	
	OSMW-1P	OSMW-1P	OSMW-1P	T	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53	
	OSMW-2P	OSMW-2P	OSMW-2P		455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87	
	OSMW-10P	OSMW-10P			T	455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
	OSMW-11P	OSMW-11P				455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
	OSMW-12P					455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
	OW-1P					455883.50	1417685.55	559.42	559.75	2.00	30.00	529.42	35.00	524.42	35 ⁵
	PMW-3P	PMW-3P		T	455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07	
	PMW-5P	PMW-5P			1417293.42	455489.81	559.11	558.71	2.00	20.15	538.96	30.15	528.96	29.75	
	PMW-6P	PMW-6P			1417456.08	455769.69	561.50	561.10	2.00	28.57	532.93	38.57	522.93	38.17	
	TMW-1P	TMW-1P		T	455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84	
	TMW-2P	TMW-2P			455595.65	1416931.21	556.94	559.71	2.00	28.50	528.44	33.50	523.44	38.45	

Table 2

GE OHD 000 817 312

GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴	
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)		
USG															
	AF-4S	AF-4S		T	456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03	
	AF-5S	AF-5S	AF-5S		455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92	
	AF-6S	AF-6S			456056.40	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80	
	AF-7S	AF-7S	AF-7S	T	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68	
	AF-8S	AF-8S			455524.80	1417088.16	559.10	561.08	2.00	50.00	509.10	50.00	499.10	60.00	
	AF-9S	AF-9S	AF-9S	T	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75	
	AF-10S	AF-10S			456134.19	1416979.21	559.90	561.98	2.00	61.00	498.90	71.00	488.90	67.75	
	AF-11S	AF-11S		T	456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27	
	AF-12S	AF-12S			456295.87	1416186.19	574.00	575.41	2.00	64.00	510.00	74.00	500.00	72.31	
	AF-13S	AF-13S			456488.94	1416522.95	565.20	567.91	2.00	46.50	518.70	56.50	508.70	56.5 ⁵	
	AF-14S	AF-14S			456526.22	1416788.87	559.50	558.56	2.00	56.50	503.00	66.50	493.00	66.5 ⁵	
	AF-19S	AF-19S		T	455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65	
	AF-20S	AF-20S			455927.77	1416940.35	559.80	562.47	2.00	59.00	500.80	69.00	490.80	71.57	
	GM-9S	GM-9S			T	457108.81	1417214.23	561.00	560.13	2.00	43.00	518.00	53.00	508.00	52.09
	OSMW-1S	OSMW-1S	OSMW-1S	T	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84	
	OSMW-3S	OSMW-3S	OSMW-3S	T	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60	
	OSMW-4S	OSMW-4S	OSMW-4S	T	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84	
			OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54	
			OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78	
			OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70	
	OSMW-9S	OSMW-9S			455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30	
	OSMW-10S	OSMW-10S		T	455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20	
	OSMW-11S	OSMW-11S			455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20	
	PMW-3S	PMW-3S		T	455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40	
	TMW-1S	TMW-1S	TMW-1S	T	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75	
	TMW-2S	TMW-2S	TMW-2S		455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08	

Table 2

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG														
	AF-1D				456927.14	1417977.19	559.80	559.78	4.00	108.00	451.80	118.00	441.80	118.00
	AF-5D			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.1
	AF-7D	AF-7D	AF-7D	T	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-8D				455517.69	1417091.88	559.00	560.73	4.00	86.00	473.00	96.00	463.00	93.72
	AF-9D	AF-9D		T	455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		T	456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-12D	AF-12D			456297.35	1416191.94	573.30	575.45	4.00	102.00	471.30	112.00	461.30	111.85
	AF-15D	AF-15D			456991.44	1416851.88	559.80	560.95	4.00	103.00	456.80	113.00	446.80	112.86
	AF-16D				457003.87	1417280.19	560.40	561.83	4.00	91.00	469.40	101.00	459.40	102.57
	AF-17D	AF-17D			456484.75	1417467.78	560.30	561.37	4.00	90.00	470.30	100.00	460.30	99.48
	AF-19D	AF-19D		T	455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
	AF-20D	AF-20D			455933.76	1416941.09	559.80	562.52	2.00	81.10	478.70	91.10	468.70	93.56
	AF-21D	AF-21D	AF-21D		455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	GM-3D				457163.25	1418266.08	560.80	562.47	4.00	138.00	422.80	148.00	412.80	148.00
	GM-5D				457241.00	1416754.00	562.00	564.07	4.00	126.43	455.57	116.43	445.57	116.75 ⁵
	GM-9D	GM-9D		T	457107.93	1417219.35	561.00	560.06	4.00	100.00	461.00	110.00	451.00	109.30
	H-223	H-223			454519.10	1417253.00	555.00	555.60	2.00	154.50	400.50	164.50	390.50	161.51
	OSMW-1D	OSMW-1D	OSMW-1D	T	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	T	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	T	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
			OSMW-5D		452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
	OSMW-6D	OSMW-6D	OSMW-6D		455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
	OSMW-7D	OSMW-7D	OSMW-7D		456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D		454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D			455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		T	455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
	OSMW-11D				455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
	OSMW-11DD				455459.02	1418006.62	552.04	551.68	2.00	140.00	412.04	150.00	402.04	149.83
	OSMW-12D				455880.20	1418333.14	553.66	553.29	2.00	123.00	430.66	133.00	420.66	133.76
	OSMW-12DD				455880.36	1418333.21	553.66	553.18	2.00	141.00	412.66	151.00	402.66	149.20
	OSMW-13D				455241.33	1417853.92	552.03	551.82	2.00	96.00	456.03	106.00	446.03	103.65
	OSMW-13DD				455241.62	1417854.06	552.03	551.70	2.00	142.00	410.03	152.00	400.03	151.84
	OW-3D				455360.77	1417112.74	557.72	557.43	2.00	135.00	422.72	140.00	417.72	140 ⁵
	OW-4D				455422.91	1417165.94	559.68	559.41	2.00	135.00	424.68	140.00	419.68	140 ⁵
	PMW-2D	PMW-2D			456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		T	455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
	TMW-1D		TMW-1D		455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D		455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

Notes ¹ Third Quarter 2013: Progress Monitoring in the Perched, USG and LSG.

² Semiannual sampling occurs in the second and fourth quarters.

³ T = Transducer; Blank = Manual.

⁴ Total depths from ground surface (GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D)

Table 3

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter	Well Screen				Total Depth (ft bTOC) ³
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched													
			AF-2P	456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P	456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
AF-4P	AF-4P			456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
	AF-5P	AF-5P		455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
AF-7P	AF-7P	AF-7P		455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
AF-13P	AF-13P			456494.02	1416526.13	565.40	566.82	2.00	3.13	562.27	13.13	552.27	15.4 ³
		AF-23P		457010.00	1417595.00	560.00	559.75	2.00	22.88	537.12	32.88	527.12	32.15
		AF-24P		456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
AF-25P	AF-25P	AF-25P		456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
		AOC LDMW-1S		457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
		AOC PSTMW-1SR		459022.76	1417784.33	556.91		2.00					
		AOC PSTMW-2S		458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
		H-221		454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
	OSMW-1P	OSMW-1P		455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
		OSMW-2P		455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
	OSMW-10P			455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
	OSMW-11P			455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
	OSMW-12P			455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
	OSMW-13P			455241.47	1417854.22	552.03	551.75	2.00	22.00	530.03	32.00	520.03	32.45
PMW-3P	PMW-3P			455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
TMW-1P	TMW-1P			455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84
USG													
	AF-4S	AF-4S		456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
		AF-5S	AF-5S	455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
AF-6S	AF-6S			456056.4	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
AF-7S	AF-7S	AF-7S		455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
AF-9S	AF-9S	AF-9S		455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
AF-11S	AF-11S			456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
AF-13S	AF-13S			456488.94	1416522.95	565.20	567.91	2.00	45.60	519.60	55.60	509.60	55.6 ³
AF-19S	AF-19S			455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
OSMW-1S	OSMW-1S	OSMW-1S		455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
OSMW-3S	OSMW-3S	OSMW-3S		455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
OSMW-4S	OSMW-4S	OSMW-4S		456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
		OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
		OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
		OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
	OSMW-9S			455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
	OSMW-10S			455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
	OSMW-11S			455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
PMW-3S	PMW-3S			455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
TMW-1S	TMW-1S	TMW-1S		455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
TMW-2S	TMW-2S	TMW-2S		455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

Table 3

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter	Well Screen				Total Depth (ft bTOC) ³	
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)		
LSG														
			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.10	
	AF-7D	AF-7D	AF-7D	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77	
	AF-9D			455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30	
	AF-11D	AF-11D		456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79	
	AF-19D	AF-19D		455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40	
			AF-21D	455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11	
	OSMW-1D	OSMW-1D	OSMW-1D	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75	
	OSMW-3D	OSMW-3D	OSMW-3D	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31	
	OSMW-4D	OSMW-4D	OSMW-4D	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94	
			OSMW-5D	452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72	
			OSMW-6D	455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20	
			OSMW-7D	456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80	
			OSMW-8D	454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20	
	OSMW-9D	OSMW-9D		455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60	
	OSMW-10D	OSMW-10D		455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63	
			OSMW-11D		455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
			PMW-2D		456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D			455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
			TMW-1D	TMW-1D	455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D	455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32	

Notes

¹ Third Quarter 2013: Progress Monitoring in the Perched, USG and LSG.² Semiannual sampling occurs in the second and fourth quarters.³ Total depths from ground surface (GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D).

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-13 and 2nd SA) - Detected Parameters Only

Location Sample Date	AF-11D 10/29/2013 ##	AF-11S 10/29/2013	AF-13P 10/29/2013	AF-13S 10/29/2013	AF-19D 10/29/2013	AF-19S 10/29/2013	AF-21D 10/30/2013	AF-23P 10/30/2013	AF-24P 10/30/2013	AF-25P 10/30/2013	AF-2P 10/30/2013	AF-3P 10/30/2013	AF-4P 10/29/2013	
FIELD PARAMETERS														
pH	S.U.	7.91	7.35	7.07	7.19	7.36	7.41	7.34	8.16	7.64	7.33	7.60	7.22	7.52
Conductivity (mS/cm)	mS/cm	0.679	0.82	0.757	1.076	0.784	0.921	1.144	0.929	5.172	2.371	1.649	1.096	1.288
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM								
DO (mg/L)	mg/L	0.07	0.39	0.55	0.27	0.18	0.23	0.32	0.58	0.42	0.40	0.49	0.45	0.70
Temperature (°C)	Deg C	15.58	16.44	19.28	16.19	16.10	16.75	14.89	19.35	18.45	19.71	14.86	15.94	16.23
ORP (mV)	mV	-301.5	-184.6	-98.6	-161.0	-212.6	-225.1	-51.9	106.1	-100.2	-187.6	89.4	-53.7	66.2
DETECTABLE VOCs														
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	250	480	250	2.1	33	45
1,1-Dichloroethane	ug/l	< 1	0.78 J	< 1	< 1	< 1	0.41 J	< 1	52	140	26	7.8	2.6	6.1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	20	82	29	< 1	1.4	1.6 J
2-Butanone	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 40	< 10	< 10	< 20
Acetone	ug/l	12	8.1 J	12	8.1 J	9.2 J	9.4 J	< 10	< 50	< 50	14 J	< 10	< 10	12 J
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 4	< 1	< 1	< 2
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	73	< 1	< 1	< 2
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4 J	< 5	< 4	< 1	< 1	1.3 J
cis-1,2-Dichloroethylene	ug/l	< 1	3.7	< 1	18	< 1	< 1	< 1	17	350	33	< 1	3.8	2.1
Methylene chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 4	< 1	< 1	< 2
Tetrachloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.4 J	5.6	2.1 J	< 1	15	11
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	26	< 4	< 1	< 1	< 2
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	320	360	220	42	100	97
Vinyl Chloride	ug/l	3.4	50	< 1	1.1	< 1	16	< 1	< 5	9.3	12	< 1	< 1	< 2

Notes:

1) J = Estimated

2) NM = Not Measured

2) See Table 3 for listing of semiannual wells

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-13 and 2nd SA) - Detected Parameters Only

Location Sample Date	AF-4S 10/29/2013	AF-5D 10/30/2013	AF-5P 10/30/2013	AF-5S 10/30/2013	AF-6S 10/29/2013	AF-7D 10/30/2013	AF-7P 10/30/2013	AF-7S 10/30/2013	AF-9S 10/30/2013	AOC LDMW-1S 10/30/2013	AOC PSTMW-1SR 10/30/2013	AOC PSTMW-2S 10/30/2013	
FIELD PARAMETERS													
pH	S.U.	7.42	7.34	7.67	7.47	7.37	7.33	6.77	7.22	7.70	7.97	7.27	7.37
Conductivity (mS/cm)	mS/cm	1.003	0.941	0.937	1.085	0.99	1.055	2.383	0.863	0.913	1.761	2.888	2.796
Turbidity (NTUs)	NTUs	NM	NM	NM	NM								
DO (mg/L)	mg/L	0.22	0.27	0.35	0.08	0.35	0.07	0.35	0.21	0.35	0.61	0.57	0.45
Temperature (°C)	Deg C	15.89	14.53	15.46	16.22	18.95	14.72	17.64	17.58	15.75	18.99	15.14	16.17
ORP (mV)	mV	-195.0	-144.4	115.7	-199.2	-208.7	-149.5	-50.3	-145.2	-144.7	177.3	203.0	217.9
DETECTABLE VOCs													
1,1,1-Trichloroethane	ug/l	5.2	< 1	28	< 1	< 1	< 1	< 1	< 10	< 1	430	< 1	15
1,1-Dichloroethane	ug/l	5	< 1	6.4	5.3	< 1	< 1	14	17	0.83	J	29	< 1
1,1-Dichloroethylene	ug/l	1.8	< 1	1.3	J	< 1	< 1	< 1	< 10	< 1	27	< 1	2.2
2-Butanone	ug/l	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 100	< 10	< 80	< 10	< 10
Acetone	ug/l	11	< 10	12	J	13	10	12	11	< 100	8.1	J	< 80
Benzene	ug/l	1.1	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	< 8	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	< 8	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	4.4	J	< 1
cis-1,2-Dichloroethylene	ug/l	25	< 1	1.7	J	2.5	< 1	< 1	39	710	1.9	< 8	< 1
Methylene chloride	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	3.9	J	< 1
Tetrachloroethene	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	< 8	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	1.2	< 1	< 2	< 1	< 1	< 1	< 1	< 10	< 1	< 8	< 1	< 1
Trichloroethylene	ug/l	15	< 1	130	< 1	< 1	< 1	< 1	< 10	< 1	370	< 1	3.9
Vinyl Chloride	ug/l	3.9	< 1	< 2	44	0.92	J	< 1	1.5	610	21	< 8	< 1

Notes:

1) J = Estimated

2) NM = Not Measured

2) See Table 3 for listing of semiannual wells

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-13 and 2nd SA) - Detected Parameters Only

Location Sample Date	H-221 10/30/2013	OSMW-10D 10/25/2013	OSMW-10P 10/29/2013	OSMW-10S 10/25/2013	OSMW-11D 10/29/2013	OSMW-11P 10/29/2013	OSMW-11S 10/29/2013	OSMW-12P 10/29/2013	OSMW-13P 10/29/2013	OSMW-1D 10/30/2013	OSMW-1P 10/30/2013	OSMW-1S 10/30/2013	OSMW-2P 10/30/2013	OSMW-3D 10/30/2013									
FIELD PARAMETERS	units																						
pH	S.U.	7.80	7.20	7.06	7.10	7.16	6.95	7.20	7.49	7.20	7.42	7.03	7.35	7.45	7.26								
Conductivity (mS/cm)	mS/cm	0.403	0.836	1.098	0.814	1.454	1.321	1.539	0.962	1.426	1.201	1.407	1.321	1.261	1.153								
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM	NM	NM															
DO (mg/L)	mg/L	0.33	0.10	0.25	0.11	0.35	0.71	0.53	0.55	0.56	0.27	0.83	0.27	0.37	0.11								
Temperature (°C)	Deg C	15.86	14.92	17.66	17.45	14.43	17.92	15.20	13.55	14.69	15.22	16.47	16.05	15.14	14.87								
ORP (mV)	mV	91.4	-104.0	-157.3	-63.0	-120.0	-137.5	-84.1	194.5	51.8	-184.5	7.5	-185.6	-66.9	-154.9								
DETECTABLE VOCs	units																						
1,1,1-Trichloroethane	ug/l	33	6.1	140	140	< 4	< 1	< 4	3.5	< 1	< 1	< 1	< 4	0.85	J	< 1							
1,1-Dichloroethane	ug/l	2.7	< 1	13	31	27	1.5	26	2.2	3.3	2.6	3	2.9	J	4.4	3.9							
1,1-Dichloroethylene	ug/l	2.2	< 1	7.1	11	2.3	J	< 1	2.3	J	< 1	< 1	< 1	< 4	< 1	< 1							
2-Butanone	ug/l	< 10	8	J	< 10	< 20	< 40	< 10	< 40	< 10	3.7	J	< 10	< 10	< 40	< 10	< 10						
Acetone	ug/l	4.2	J	390	11	18	J	< 40	8.7	J	< 40	9.3	J	240	9.7	J	8.7	J	14	J	< 10	12	
Benzene	ug/l	< 1	< 1	< 1	< 2	< 4	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroethane	ug/l	< 1	< 1	< 1	< 2	< 4	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroform	ug/l	< 1	< 1	< 1	< 2	< 4	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
cis-1,2-Dichloroethylene	ug/l	2.2	< 1	18	58	210	1.5	220	< 1	0.91	J	8.5	< 1	280	7.4	6.2							
Methylene chloride	ug/l	< 1	< 1	< 1	< 2	< 4	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Tetrachloroethene	ug/l	< 1	< 1	< 1	< 2	< 4	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 2	4.7	< 1	4.7	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Trichloroethylene	ug/l	69	8.9	160	39	24	< 1	32	5.1	< 1	< 1	< 1	< 1	< 4	7.7	1.4							
Vinyl Chloride	ug/l	< 1	1.6	1.3	11	4.4	< 1	3.6	J	< 1	< 1	< 1	33	< 1	320	1.5	4						

Notes:

1) J = Estimated

2) NM = Not Measured

2) See Table 3 for listing of semiannual wells

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-13 and 2nd SA) - Detected Parameters Only

Location Sample Date	OSMW-3S 10/30/2013	OSMW-4D 10/30/2013	OSMW-4S 10/30/2013	OSMW-5D 10/30/2013	OSMW-5S 10/30/2013	OSMW-6D 10/30/2013	OSMW-6S 10/30/2013	OSMW-7D 10/30/2013	OSMW-8D 10/30/2013	OSMW-8S 10/30/2013	OSMW-9D 10/29/2013	OSMW-9S 10/29/2013	
FIELD PARAMETERS													
pH	S.U.	7.25	7.24	7.34	7.48	7.44	7.47	7.34	7.18	7.40	11.91	7.37	7.32
Conductivity (mS/cm)	mS/cm	0.943	1.012	0.941	1.221	1.121	0.824	0.839	0.808	0.91	1.452	1.003	1.286
Turbidity (NTUs)	NTUs	NM	NM										
DO (mg/L)	mg/L	0.36	0.37	0.29	0.41	0.34	0.43	0.46	0.47	0.20	0.74	0.44	0.52
Temperature (°C)	Deg C	17.35	14.52	15.60	13.82	14.69	15.74	16.73	14.88	15.89	16.24	14.54	15.12
ORP (mV)	mV	-160.6	-114.6	-99.1	-105.7	-123.7	-163.8	-142.9	-156.3	-165.3	-250.1	-109.2	-145.9
DETECTABLE VOCs													
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
1,1-Dichloroethane	ug/l	< 1	8.4	< 1	< 2	2.2	4.9	2.4	< 1	< 1	5.3	< 1	1.5 J
1,1-Dichloroethylene	ug/l	< 1	1	< 1	< 2	< 1	0.77 J	5.7	< 1	< 1	< 1	< 1	< 2
2-Butanone	ug/l	< 10	< 10	< 10	< 20	< 10	3.6 J	< 10	< 10	< 10	< 10	3.8 J	3.9 J
Acetone	ug/l	13	14	5 J	< 20	3.2 J	250	3.6 J	< 10	5.4 J	3.9 J	250	260
Benzene	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Chloroethane	ug/l	< 1	< 1	< 1	< 2	< 1	3.1	3.1	< 1	< 1	< 1	< 1	< 2
Chloroform	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
cis-1,2-Dichloroethylene	ug/l	< 1	33	< 1	180	12	26	45	< 1	1.9	1.6	< 1	53
Methylene chloride	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Tetrachloroethene	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
trans-1,2-Dichloroethylene	ug/l	< 1	4.5	< 1	3.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Trichloroethylene	ug/l	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Vinyl Chloride	ug/l	2.3	34	20	12	8.2	170	8.6	7.8	52	8.1	14	160

Notes:

1) J = Estimated

2) NM = Not Measured

2) See Table 3 for listing of semiannual wells

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-13 and 2nd SA) - Detected Parameters Only

Location Sample Date	PMW-2D 10/29/2013	PMW-3D 10/25/2013	PMW-3P 10/29/2013	PMW-3S 10/25/2013	PMW-4D 10/29/2013	TMW-1D 10/30/2013	TMW-1P 10/29/2013	TMW-1S 10/30/2013	TMW-2D 10/30/2013	TMW-2S 10/30/2013
FIELD PARAMETERS										
pH	S.U.	7.34	6.99	7.13	6.99	7.22	7.26	7.50	7.06	7.35
Conductivity (mS/cm)	mS/cm	0.948	0.661	0.907	0.691	1.111	0.992	1.142	1.908	1.044
Turbidity (NTUs)	NTUs	nm								
DO (mg/L)	mg/L	0.04	0.13	0.61	0.15	0.35	0.08	0.70	0.32	0.08
Temperature (°C)	Deg C	13.83	14.70	17.46	17.41	14.48	14.94	18.13	16.92	15.06
ORP (mV)	mV	-171.2	-141.0	-72.9	-61.0	-152.6	-166.4	37.3	-162.2	203.4
DETECTABLE VOCs										
1,1,1-Trichloroethane	ug/l	< 1	21	180	19	< 1	< 1	190	< 1	< 5
1,1-Dichloroethane	ug/l	< 1	19	18	18	< 1	< 1	69	< 1	< 5
1,1-Dichloroethylene	ug/l	< 1	1.2	9	1	< 1	< 1	31	< 1	< 5
2-Butanone	ug/l	< 10	< 10	< 40	< 10	< 10	< 10	< 20	< 10	< 50
Acetone	ug/l	12	15	13	J	13	8.7	J	12	15
Benzene	ug/l	< 1	0.49	J	< 4	< 1	< 1	< 2	< 1	< 5
Chloroethane	ug/l	< 1	< 1	< 4	< 1	< 1	< 1	< 2	< 1	< 5
Chloroform	ug/l	< 1	< 1	< 4	< 1	< 1	< 1	2	< 1	< 5
cis-1,2-Dichloroethylene	ug/l	< 1	68	190	84	< 1	< 1	47	2.4	310
Methylene chloride	ug/l	< 1	< 1	< 4	< 1	< 1	< 1	< 2	< 1	< 5
Tetrachloroethene	ug/l	< 1	< 1	< 4	< 1	< 1	< 1	1.2	J	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 4	< 1	< 1	< 1	< 2	< 1	100
Trichloroethylene	ug/l	< 1	15	180	34	< 1	< 1	130	< 1	< 5
Vinyl Chloride	ug/l	< 1	85	< 4	2.4	4.2	< 1	19	10	30

Notes:

1) J = Estimated

2) NM = Not Measured

2) See Table 3 for listing of semiannual wells

Table 5

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED-USG STATS.	AF-4	AF-7	GM-9
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	0.000	0.000	0.000
Intercept	18.1946	0.5496	5.3098
Standard Error of Estimates	0.010	0.014	0.000
X Variable Coefficient	-0.00043727	-0.00001326	-0.00012690
P-Value	0.024	0.949	0.000
Trend Analysis	Significant Negative Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.039	0.036	0.0098
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 5

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED -USG STATS.	OSMW-1	OSMW-10	PMW-3
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	0.000	0.000	0.000
Intercept	4.7839	1.2530	-1.0108
Standard Error of Estimates	0.006	0.004	0.004
X Variable Coefficient	-0.00011510	-0.00003021	0.00002431
P-Value	0.233	0.619	0.708
Trend Analysis	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.017	0.011	0.011
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 6

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - USG to LSG

USG - LSG STATS.	AF-7	AF-9	AF-11	AF-19
Is the Slope Less than the Error?	YES	YES	YES	YES
Number of Data Points	8	8	8	8
Slope	0.000	0.000	0.000	0.000
Intercept	5.9973	0.5649	0.1256	0.1347
Standard Error of Estimates	0.001	0.006	0.005	0.005
X Variable Coefficient	-0.00014339	-0.00001361	-0.00000301	-0.00000311
P-Value	0.000	0.876	0.966	0.968
Trend Analysis	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.011	0.016	0.013	0.013
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 6

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - USG to LSG

USG - LSG STATS.	GM-9	OSMW-1	OSMW-3
Is the Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	0.000	0.000	0.000
Intercept	2.2920	7.1827	2.0504
Standard Error of Estimates	0.000	0.003	0.002
X Variable Coefficient	-0.00005387	-0.00017177	-0.00004910
P-Value	0.000	0.008	0.149
Trend Analysis	Significant Negative Trend	Significant Negative Trend	No Significant Trend
Magnitude	0.00415	0.016	0.007
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 6

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - USG to LSG

USG - LSG STATS.	OSMW-4	OSMW-10	PMW-3
Is the Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	0.000	0.000	-0.00010
Intercept	1.4613	2.2984	4.1473
Standard Error of Estimates	0.003	0.002	0.001
X Variable Coefficient	-0.00003508	-0.00005470	-0.00009909
P-Value	0.478	0.052	0.001
Trend Analysis	No Significant Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.008	0.006	0.008
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 7

GE OHD 000 817 312
 GE Aviation_Evendale, Ohio - Groundwater IRM
 Statistical Summary of Vertical Gradient Analysis - Perched to LSG

PERCHED - LSG STATS.	AF-7	GM-9	OSMW-1	OSMW-10	PMW-3
Is Slope Less than Error?	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8
Slope	-0.0001172	-0.0000757	-0.0001527	-0.0000486	-0.0000668
Intercept	4.9023	3.1940	6.3751	2.0399	2.7968
Standard Error of Estimates	0.002	0.000	0.003	0.001	0.001
X Variable Coefficient	-0.00011723	-0.00007570	-0.00015269	-0.00004864	-0.00006678
P-Value	0.011	0.000	0.005	0.043	0.006
Trend Analysis	Significant Negative Trend				
Magnitude	0.009	0.0058	0.014	0.005	0.006
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring				
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring				

Note:

a positive trend indicates an increased downward vertical gradient

a negative trend indicates an increased upward vertical gradient

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-4P		AF-4S		AF-7P		AF-7S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.005	-0.005	0.003	0.003	-0.002	-0.002	-0.002	-0.002
Intercept	763.3104	763.3104	424.8916	424.8916	611.9020	611.9020	603.0527	603.0527
Standard Error of Estimates	0.284	0.214	0.210	0.028	0.309	0.253	0.206	0.073
Background Standard Error of Estimates								
X Variable Coefficient	-0.00537096		0.00276233		-0.00177694		-0.00156349	
P-Value	0.124		0.000		0.635		0.178	
Trend Analysis ²	<i>No Significant Trend</i>		<i>Significant Positive Trend</i>		<i>No Significant Trend</i>		<i>No Significant Trend</i>	
Magnitude	0.591		0.254		0.674		0.223	
Summary ³	STABLE		Increasing water levels		STABLE		STABLE	

Note: a positive trend indicates increasing groundwater elevations
 a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;
 STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-7D		AF-9S		AF-9D		AF-11S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009
Intercept	219.2276	219.2276	204.6012	204.6012	188.8956	188.8956	169.3397	169.3397
Standard Error of Estimates	0.327	0.082	0.346	0.234	0.354	0.098	0.404	0.290
Background Standard Error of Estimates								
X Variable Coefficient	0.00761337		0.00795985		0.00833829		0.00880710	
P-Value	0.001		0.052		0.001		0.074	
Trend Analysis ²	Significant Positive Trend		No Significant Trend		Significant Positive Trend		No Significant Trend	
Magnitude	0.703		0.931		0.756		1.127	
Summary ³	Increasing water levels		STABLE		Increasing water levels		STABLE	

Note: a positive trend indicates increasing groundwater elevations

a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;

STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-11D		AF-19S		AF-19D		GM-9P	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.009	0.009	0.008	0.008	0.008	0.008	0.002	0.002
Intercept	164.4680	164.4680	217.4891	217.4891	213.6224	213.6224	476.0240	476.0240
Standard Error of Estimates	0.377	0.129	0.325	0.207	0.341	0.091	0.091	0.041
Background Standard Error of Estimates								
X Variable Coefficient	0.00892391		0.00766151		0.00775088		0.00157095	
P-Value	0.003		0.039		0.001		0.000	
Trend Analysis ²	Significant Positive Trend							
Magnitude	0.835		0.847		0.716		0.121	
Summary ³	Increasing water levels							

Note: a positive trend indicates increasing groundwater elevations

a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;

STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	GM-9S		GM-9D		OSMW-1P		OSMW-1S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition ¹	YES	Stable	YES	Stable	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.005	0.005	0.008	0.008	-0.001	-0.001	0.002	0.002
Intercept	346.9958	346.9958	216.3539	216.3539	564.0974	564.0974	466.9838	466.9838
Standard Error of Estimates	0.200	0.112	0.287	0.177	0.192	0.154	0.184	0.094
Background Standard Error of Estimates								
X Variable Coefficient	0.00465453		0.00772537		-0.00062678		0.00170969	
P-Value	0.000		0.000		0.781		0.244	
Trend Analysis ²	Significant Positive Trend		Significant Positive Trend		No Significant Trend		No Significant Trend	
Magnitude	0.358		0.595		0.447		0.252	
Summary ³	Increasing water levels		Increasing water levels		STABLE		STABLE	

Note: a positive trend indicates increasing groundwater elevations
 a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;

STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	OSMW-1D		OSMW-3S		OSMW-3D		OSMW-4S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.009	0.009	0.005	0.005	0.008	0.008	0.009	0.009
Intercept	179.6764	179.6764	342.4497	342.4497	184.5692	184.5692	181.0789	181.0789
Standard Error of Estimates	0.349	0.092	0.222	0.076	0.381	0.182	0.449	0.325
Background Standard Error of Estimates								
X Variable Coefficient	0.00858052		0.00466260		0.00844332		0.00851656	
P-Value	0.001		0.005		0.016		0.111	
Trend Analysis ²	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		No Significant Trend	
Magnitude	0.760		0.434		0.894		1.195	
Summary ³	Increasing water levels		Increasing water levels		Increasing water levels		STABLE	

Note: a positive trend indicates increasing groundwater elevations

a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;

STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	OSMW-4D		OSMW-10P		OSMW-10S		OSMW-10D	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.008	0.008	0.002	0.002	0.003	0.003	0.007	0.011
Intercept	223.2343	223.2343	461.3867	437.9173	427.3053	410.1246	237.0015	78.2081
Standard Error of Estimates	0.344	0.110	0.188	0.207	0.198	0.255	0.322	0.496
Background Standard Error of Estimates								
X Variable Coefficient	0.00750344		0.00240041		0.00307222		0.01100591	
P-Value	0.003		0.440		0.424		0.164	
Trend Analysis ²	Significant Positive Trend		No Significant Trend		No Significant Trend		No Significant Trend	
Magnitude	0.721		0.474		0.789		1.759	
Summary ³	Increasing water levels		STABLE		STABLE		STABLE	

Note: a positive trend indicates increasing groundwater elevations

a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;

STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	PMW-3P		PMW-3S		PMW-3D	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8
Slope	0.001	0.001	0.000	0.000	0.008	0.008
Intercept	490.8176	490.8176	519.9286	519.9286	183.1671	183.1671
Standard Error of Estimates	0.204	0.212	0.196	0.083	0.341	0.101
Background Standard Error of Estimates						
X Variable Coefficient	0.00113894		0.00043878		0.00848483	
P-Value	0.715		0.718		0.001	
Trend Analysis ²	<i>No Significant Trend</i>		<i>No Significant Trend</i>		<i>Significant Positive Trend</i>	
Magnitude	0.589		0.228		0.774	
Summary ³	STABLE		STABLE		Increasing water levels	

Note: a positive trend indicates increasing groundwater elevations
 a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by $P \leq 0.05$ (95% confidence)

³Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet;
 STABLE - Magnitude < 0.1 feet

Table 8

GE OHD 000 817 312
GE Aviation_Everdale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	TMW-1P		TMW-1S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES
Number of Data Points	8	8	8	8
Slope	-0.006	-0.008	0.001	0.001
Intercept	776.7801	885.3486	494.2168	494.2168
Standard Error of Estimates	0.431	0.464	0.167	0.125
Background Standard Error of Estimates				
X Variable Coefficient	-0.00832659		0.00107857	
P-Value	0.248		0.562	
Trend Analysis ²	<i>No Significant Trend</i>		<i>No Significant Trend</i>	
Magnitude	1.208		0.333	
Summary ³	STABLE		STABLE	

Note: a positive trend indicates increasing groundwater elevations
 a negative trend indicates decreasing groundwater elevations

¹Steady-state (stable) = slope less than error

²Significant trend identified by P≤0.05 (95% confidence)

³Increasing/decreasing water levels if P≤0.05 and Magnitude > 0.1 feet;
 STABLE - Magnitude < 0.1 feet

Table 9
GE OHD 000 817 312
Evendale, Ohio
Groundwater Chemical Cross Contamination Analyses

			10/29/2013			
Well ID	TCA_grp UTL Value ^{1,2,3,4,5} (µmol/L)	TCE_grp UTL Value ^{1,2,3,4,5} (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11S	.0842	3.1943	0.01	0.84	ACCEPT	ACCEPT
AF-11D	0.0092	2.3875	0.0000	0.0544	ACCEPT	ACCEPT
AF-11P	0.0359	0.0359	No Sample	No Sample	No Sample	No Sample
AF-12P	.0359	.0359	No Sample	No Sample	No Sample	No Sample
AF-12S	2.7754	3.7086	No Sample	No Sample	No Sample	No Sample
AF-13P	0.0359	0.0359	0.00	0.00	ACCEPT	ACCEPT
AF-13S	0.0359	0.0359	0.00	0.20	ACCEPT	REJECT
AF-15D	0.0485	.1864	No Sample	No Sample	No Sample	No Sample
AF-15S	20.0950	15.2677	No Sample	No Sample	No Sample	No Sample
AF-19D	0.0359	0.0359	0.00	0.00	ACCEPT	ACCEPT
AF-19S	2.0047	3.6624	0.00	0.26	ACCEPT	ACCEPT
AF-1D	.1316	.0145	No Sample	No Sample	No Sample	No Sample
AF-1P	.1114	.2074	No Sample	No Sample	No Sample	No Sample
AF-1S	2.6671	1.8813	No Sample	No Sample	No Sample	No Sample
AF-21D	.0070	0.5265	0.00	0.00	ACCEPT	ACCEPT
AF-23P	10.6721	6.5688	2.61	2.63	ACCEPT	ACCEPT
AF-24P	18.0821	9.9566	5.86	6.79	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	3.57	2.21	ACCEPT	ACCEPT
AF-2P	.1073	.5533	0.09	0.32	ACCEPT	ACCEPT
AF-2S	.4842	2.0838	No Sample	No Sample	No Sample	No Sample
AF-3P	.9429	1.6063	0.29	0.89	ACCEPT	ACCEPT
AF-4S	1.1853	5.9427	0.11	0.45	ACCEPT	ACCEPT
AF-4P	0.0359	0.0359	0.42	0.82	REJECT	REJECT
AF-5D	.0155	.0044	0.00	0.00	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.29	1.00	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.05	0.73	ACCEPT	ACCEPT
AF-6S	0.0359	0.0359	0.00	0.01	ACCEPT	ACCEPT
AF-7D	.0240	.0261	0.00	0.00	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.14	0.43	ACCEPT	ACCEPT
AF-7S	.7677	31.8240	0.17	17.08	ACCEPT	ACCEPT
AF-8S	.0541	1.2083	No Sample	No Sample	No Sample	No Sample
AF-9D	.0045	0.0137	No Sample	No Sample	No Sample	No Sample
AF-9S	.0694	0.7894	0.01	0.36	ACCEPT	ACCEPT
AOC LDMW-1S	66.8780	21.1752	3.79	2.80	ACCEPT	ACCEPT
AOC PSTMW-2S	.6589	.2892	0.14	0.03	ACCEPT	ACCEPT
GM-3D	.0130	.0067	No Sample	No Sample	No Sample	No Sample
GM-9S	.0337	2.4322	No Sample	No Sample	No Sample	No Sample
H-221	.7940	1.0121	0.30	0.55	ACCEPT	ACCEPT
H-222	1.0107	2.4195	No Sample	No Sample	No Sample	No Sample
OSMW-10D	.1633	.1269	0.05	0.09	ACCEPT	ACCEPT
OSMW-10P	3.9915	2.7868	1.25	1.42	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	1.48	1.07	ACCEPT	ACCEPT
OSMW-11D	.7604	8.2552	0.30	2.47	ACCEPT	ACCEPT
OSMW-11DD	.6301	6.1779	No Sample	No Sample	No Sample	No Sample
OSMW-11P	.0232	.0066	0.02	0.02	ACCEPT	REJECT
OSMW-11S	1.0371	11.9864	0.29	2.62	ACCEPT	ACCEPT

Table 9
GE OHD 000 817 312
Evendale, Ohio
Groundwater Chemical Cross Contamination Analyses

			10/29/2013			
Well ID	TCA_grp UTL Value ^{1,2,3,4,5} (µmol/L)	TCE_grp UTL Value ^{1,2,3,4,5} (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
OSMW-12D	.0359	.5112	No Sample	No Sample	No Sample	No Sample
OSMW-12DD	.0520	.0303	No Sample	No Sample	No Sample	No Sample
OSMW-12P	.0529	.0352	0.05	0.04	ACCEPT	REJECT
OSMW-12S	.9999	4.6360	No Sample	No Sample	No Sample	No Sample
OSMW-13D	.3895	7.9242	No Sample	No Sample	No Sample	No Sample
OSMW-13DD	.5903	7.7146	No Sample	No Sample	No Sample	No Sample
OSMW-13P	.0510	.0688	0.03	0.01	ACCEPT	ACCEPT
OSMW-13S	.6181	8.7977	No Sample	No Sample	No Sample	No Sample
OSMW-1D	1.0602	23.5751	0.03	0.62	ACCEPT	ACCEPT
OSMW-1P	0.0386	.0383	0.03	0.00	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.03	8.01	ACCEPT	ACCEPT
OSMW-2P	.1552	.8655	0.05	0.16	ACCEPT	ACCEPT
OSMW-3D	.0969	13.9650	0.04	0.14	ACCEPT	ACCEPT
OSMW-3S	0.0952	0.8117	0.00	0.04	ACCEPT	ACCEPT
OSMW-4D	.1902	1.2387	0.10	0.93	ACCEPT	ACCEPT
OSMW-4S	.1184	7.8398	0.00	0.32	ACCEPT	ACCEPT
OSMW-5D	.0225	4.0331	0.00	2.08	ACCEPT	ACCEPT
OSMW-5S	.0186	.1804	0.02	0.25	REJECT	REJECT
OSMW-6D	.8025	3.8001	0.11	2.99	ACCEPT	ACCEPT
OSMW-6S	1.1900	2.0246	0.13	0.60	ACCEPT	ACCEPT
OSMW-7D	.0359	.1744	0.00	0.12	ACCEPT	ACCEPT
OSMW-8D	.0034	.6823	0.00	0.85	ACCEPT	REJECT
OSMW-8S	.0268	1.3407	0.05	0.15	REJECT	ACCEPT
OSMW-9D	.0359	.4657	0.00	0.22	ACCEPT	ACCEPT
OSMW-9S	.0327	86.8772	0.0152	3.11	ACCEPT	ACCEPT
PMW-2D	.0021	.0359	0.00	0.00	ACCEPT	ACCEPT
PMW-3D	3.1451	2.5338	0.36	2.18	ACCEPT	ACCEPT
PMW-3P	2.5478	4.0693	1.62	3.32	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.33	1.16	ACCEPT	ACCEPT
PMW-4D	.0359	.1228	0.00	0.07	ACCEPT	ACCEPT
TMW-1D	.0359	.0093	0.00	0.00	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	2.44	1.78	ACCEPT	ACCEPT
TMW-1S	0.2465	10.57	0.00	0.18	ACCEPT	ACCEPT
TMW-2D	.0454	9.85	0.00	4.71	ACCEPT	ACCEPT
TMW-2P	.0353	.0862	No Sample	No Sample	No Sample	No Sample
TMW-2S	.0039	.0254	0.00	0.02	ACCEPT	ACCEPT

Footnotes:

1. The methodology for calculating the upper tolerance limit (UTL) is included in the Performance Monitoring Plan.
2. The introwell analysis for AF-4P (TCA and TCE Groups), AF-13S (TCE Group), OSMW-5S (TCA and TCE Groups), OSMW-8S (TCA Group), OSMW-11P (TCE Group) and OSMW-12P (TCE Group) were triggered because the analysis compared the UTL values developed from non-detectable or low detections of baseline concentrations and is triggered by a slight increase in CVOCs and are not an indication of vertical or lateral cross-contamination.

Table 10

GE OHD 008 817 312

GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

		Chemical Data																				
		1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L
EW-2P	4/1/2013	100.0	4/1/2013	12.0	3/1/2013	4.2	no data		4/1/2013	17.0	10/10/2011	2.1	8/23/2011	2.7	4/1/2013	280.0	7/2/2012	8.7	4/1/2013	0.95	4/1/2013	2.3
	5/1/2013	120.0	5/1/2013	13.0	4/1/2013	7.9	no data		5/1/2013	17.0	10/17/2011	2.1	9/6/2011	2.8	5/1/2013	300.0	9/4/2012	9.7	5/1/2013	1.03	5/1/2013	2.46
	6/3/2013	100.0	6/3/2013	12.0	6/3/2013	5.4	no data		6/3/2013	16.0	10/31/2011	2.6	9/26/2011	2.1	6/3/2013	260.0	10/1/2012	7.3	6/3/2013	0.93	6/3/2013	2.21
	7/1/2013	110.0	7/1/2013	12.0	7/1/2013	7.0	no data		7/1/2013	16.0	11/28/2011	1.8	10/10/2011	2.1	7/1/2013	280.0	11/1/2012	6.1	7/1/2013	1.02	7/1/2013	2.38
	8/1/2013	97.0	8/1/2013	11.0	8/1/2013	4.1	no data		8/1/2013	15.0	12/12/2011	2.0	10/17/2011	2.0	8/1/2013	260.0	12/3/2012	5.2	8/1/2013	0.88	8/1/2013	2.13
	9/3/2013	95.0	9/3/2013	11.0	9/3/2013	4.8	no data		9/3/2013	14.0	4/2/2012	2.1	10/31/2011	1.9	9/3/2013	240.0	6/3/2013	4.6	9/3/2013	0.87	9/3/2013	1.96
	10/1/2013	120.0	10/1/2013	14.0	10/1/2013	4.3	no data		10/1/2013	19.0	7/2/2012	2.2	11/28/2011	1.6	10/1/2013	290.0	7/1/2013	6.0	10/1/2013	1.09	10/1/2013	2.52
	12/2/2013	93.0	12/2/2013	12.0	12/2/2013	8.4	no data		12/2/2013	15.0	5/1/2013	2.1	12/12/2011	1.6	12/2/2013	230.0	10/1/2013	7.9	12/2/2013	0.91	12/2/2013	1.9
Chemical Statistics																						
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group ⁴	TCE Group ⁴											
Does the Well Satisfy a Steady State Condition? ¹	YES	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES											
Number of Data Points	8	8	8	0	8	8	8	8	8	8	8											
Slope	-0.034	0.000	0.003	#DIV/0!	-0.004	0.000	-0.011	-0.184	-0.004	0.000	-0.001											
Intercept	1503.9861	5.4233	-108.3063	#DIV/0!	202.0306	4.0688	453.1780	7905.4858	191.8644	7.6293	59.7505											
Standard Error of Estimates	11.377	1.070	1.871	#DIV/0!	1.630	0.243	0.156	20.673	1.735	0.083	0.212											
X Variable Coefficient	-0.03374470	0.00016158	0.00275071	Insufficient Data	-0.00448219	-0.00004744	-0.01104730	-0.18415224	-0.00447867	-0.00016082	-0.00138677											
P-Value	0.545	0.975	0.731	Insufficient Data	0.574	0.923	0.000	0.102	0.304	0.689	0.206											
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend											
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping											

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312

GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

EW-4P Sample Date and Result		Chemical Data																					
		1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L	
		4/1/2013	65.0	4/1/2013	15.0	2/1/2013	3.0	no data		4/1/2013	3.6	no data		7/25/2011	1.9	4/1/2013	210.0	8/23/2011	2.0	4/1/2013	0.66	4/1/2013	1.63
		5/1/2013	71.0	5/1/2013	18.0	3/1/2013	1.4	no data		5/1/2013	3.9	no data		8/8/2011	2.2	5/1/2013	220.0	9/26/2011	2.0	5/1/2013	0.71	5/1/2013	1.71
		6/3/2013	94.0	6/3/2013	14.0	4/1/2013	2.2	no data		6/3/2013	17.0	no data		8/23/2011	1.3	6/3/2013	200.0	10/10/2011	2.0	6/3/2013	0.9	6/3/2013	1.77
		7/1/2013	54.0	7/1/2013	20.0	6/3/2013	5.3	8/23/2011	0.87	7/1/2013	4.3	no data		9/26/2011	1.5	7/1/2013	200.0	10/17/2011	1.6	7/1/2013	0.64	7/1/2013	1.56
		8/1/2013	46.0	8/1/2013	16.0	7/1/2013	3.3	9/26/2011	1.3	8/1/2013	3.9	no data		10/10/2011	1.8	8/1/2013	180.0	10/31/2011	0.96	8/1/2013	0.51	8/1/2013	1.4
		9/3/2013	32.0	9/3/2013	9.6	9/3/2013	1.0	10/10/2011	1.1	9/3/2013	3.8	no data		10/17/2011	1.9	9/3/2013	110.0	6/3/2013	5.0	9/3/2013	0.35	9/3/2013	0.87
		10/1/2013	54.0	10/1/2013	16.0	10/1/2013	1.6	10/17/2011	1.4	10/1/2013	9.2	no data		10/31/2011	1.7	10/1/2013	170.0	10/1/2013	2.2	10/1/2013	0.58	10/1/2013	1.42
		12/2/2013	45.0	12/2/2013	12.0	12/2/2013	4.2	3/5/2012	4.7	12/2/2013	10.0	10/31/2011	0.63	12/12/2011	1.4	12/2/2013	130.0	12/2/2013	2.1	12/2/2013	0.5	12/2/2013	1.12
Chemical Statistics																							
		1,1,1-TCA		1,1-DCA		1,1-DCE		Chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		Vinyl Chloride		TCA Group ⁴		TCE Group ⁴	
Does the Well Satisfy a Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES			
Number of Data Points	8	8	8	5	8	1	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
Slope	-0.145	-0.018	0.001	0.021	0.013	#DIV/0!	-0.003	-0.394	0.002	-0.001	-0.003												
Intercept	6074.0558	770.6060	-54.0436	-847.8849	-514.3194	#DIV/0!	110.9911	16521.0374	-62.6428	51.9209	117.0940												
Standard Error of Estimates	16.072	3.152	1.598	0.357	5.079	#DIV/0!	0.294	24.114	1.115	0.141	0.221												
X Variable Coefficient	-0.14505649	-0.01821590	0.00137030	Insufficient Data	0.01256814	Insufficient Data	-0.00267760	-0.39404363	0.00157904	-0.00123718	-0.00278853												
P-Value	0.099	0.258	0.814	Insufficient Data	0.612	Insufficient Data	0.303	0.012	0.214	0.107	0.034												
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	Significant Negative Trend												
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Evaluate System Optimization												

Notes:

- 1 - Steady-state (stable) = slope less than error
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Table 10

GE OHD 008 817 312

GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

		Chemical Data																				
		1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L
EW-5P Sample Date and Result	1/2/2013	120.0	1/2/2013	15.0	1/2/2013	4.6	10/17/2011	4.9	12/3/2012	20.0	no data		8/8/2011	2.3	1/2/2013	260.0	12/3/2012	9.0	1/2/2013	1.1	1/2/2013	2.35
	2/1/2013	110.0	2/1/2013	13.0	2/1/2013	6.5	10/31/2011	3.0	1/2/2013	20.0	8/23/2011	0.51	8/23/2011	1.9	2/1/2013	240.0	1/2/2013	11.0	2/1/2013	1.02	2/1/2013	2.17
	3/1/2013	120.0	3/1/2013	16.0	3/1/2013	5.3	11/14/2011	5.1	2/1/2013	19.0	9/6/2011	0.47	9/6/2011	2.2	3/1/2013	250.0	2/1/2013	9.7	3/1/2013	1.12	3/1/2013	2.28
	4/1/2013	90.0	4/1/2013	13.0	4/1/2013	6.1	11/28/2011	5.0	3/1/2013	20.0	10/10/2011	0.48	9/26/2011	1.8	4/1/2013	210.0	3/1/2013	11.0	4/1/2013	0.87	4/1/2013	1.91
	5/1/2013	110.0	5/1/2013	16.0	5/1/2013	6.3	12/12/2011	4.6	4/1/2013	19.0	10/17/2011	0.47	10/10/2011	1.6	5/1/2013	240.0	4/1/2013	7.4	5/1/2013	1.05	5/1/2013	2.15
	6/3/2013	61.0	6/3/2013	18.0	6/3/2013	1.5	1/16/2012	8.5	5/1/2013	21.0	10/31/2011	0.9	10/17/2011	1.6	6/3/2013	200.0	5/1/2013	7.4	6/3/2013	0.65	6/3/2013	1.52
	7/1/2013	89.0	7/1/2013	13.0	7/1/2013	6.4	2/7/2012	8.0	7/1/2013	18.0	12/12/2011	0.61	10/31/2011	1.5	7/1/2013	210.0	7/1/2013	4.5	7/1/2013	0.86	7/1/2013	1.85
	8/1/2013	82.0	8/1/2013	14.0	8/1/2013	4.2	5/1/2012	2.3	8/1/2013	19.0	7/2/2012	0.77	12/12/2011	1.1	8/1/2013	180.0	8/1/2013	3.6	8/1/2013	0.8	8/1/2013	1.62
Chemical Statistics																						
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group ⁴	TCE Group ⁴											
Does the Well Satisfy a Steady State Condition ¹	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES											
Number of Data Points	8	8	8	8	8	7	8	8	8	8	8											
Slope	-0.210	0.001	-0.006	-0.001	-0.005	0.001	-0.009	-0.328	-0.029	-0.002	-0.003											
Intercept	8787.7758	-21.7138	251.4214	26.4504	219.2482	-35.2759	374.5919	13808.8012	1206.5395	68.2475	146.2307											
Standard Error of Estimates	14.910	1.978	1.770	2.326	0.897	0.157	0.129	14.454	1.416	0.119	0.181											
X Variable Coefficient	-0.20999901	0.00088117	-0.00595218	-0.00052017	-0.00482968	Insufficient Data	-0.00913436	-0.32828986	-0.02898048	-0.00162665	-0.00348589											
P-Value	0.033	0.933	0.535	0.971	0.273	Insufficient Data	0.000	0.004	0.004	0.037	0.009											
Trend Analysis ²	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	Significant Negative Trend															
Trend Analysis Result ³	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization															

Notes:

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- 3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloethane.
- 'DCA' - Dichloroethane.
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- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.

Table 10

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GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

EW-6P Sample Date and Result		Chemical Data																					
		1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L	
		4/1/2013	50.0	4/1/2013	6.2	3/1/2013	2.1	no data		4/1/2013	11.0	4/1/2013	1.2	8/8/2011	2.4	4/1/2013	160.0	11/1/2012	3.6	4/1/2013	0.49	4/1/2013	1.39
		5/1/2013	61.0	5/1/2013	7.3	4/1/2013	4.9	no data		5/1/2013	12.0	5/1/2013	1.5	8/23/2011	1.2	5/1/2013	180.0	4/1/2013	2.8	5/1/2013	0.53	5/1/2013	1.5
		6/3/2013	55.0	6/3/2013	7.0	6/3/2013	3.3	no data		6/3/2013	11.0	6/3/2013	1.1	9/6/2011	1.8	6/3/2013	160.0	6/3/2013	3.4	6/3/2013	0.52	6/3/2013	1.39
		7/1/2013	51.0	7/1/2013	6.8	7/1/2013	3.2	no data		7/1/2013	11.0	7/1/2013	1.2	9/26/2011	1.5	7/1/2013	150.0	7/1/2013	3.0	7/1/2013	0.48	7/1/2013	1.31
		8/1/2013	46.0	8/1/2013	6.0	8/1/2013	1.7	no data		8/1/2013	10.0	8/1/2013	0.96	10/10/2011	1.6	8/1/2013	140.0	8/1/2013	2.6	8/1/2013	0.42	8/1/2013	1.21
		9/3/2013	43.0	9/3/2013	5.7	9/3/2013	2.3	no data		9/3/2013	9.1	9/3/2013	0.87	10/31/2011	1.8	9/3/2013	120.0	9/3/2013	2.3	9/3/2013	0.4	9/3/2013	1.05
		10/1/2013	53.0	10/1/2013	7.0	10/1/2013	1.9	no data		10/1/2013	12.0	10/1/2013	0.93	12/12/2011	1.6	10/1/2013	150.0	10/1/2013	3.3	10/1/2013	0.49	10/1/2013	1.32
		12/2/2013	41.0	12/2/2013	5.8	12/2/2013	3.5	no data		12/2/2013	10.0	12/2/2013	0.84	4/1/2013	1.5	12/2/2013	130.0	12/2/2013	2.5	12/2/2013	0.4	12/2/2013	1.13
Chemical Statistics																							
		1,1,1-TCA		1,1-DCA		1,1-DCE		Chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		Vinyl Chloride		TCA Group ⁴		TCE Group ⁴	
Does the Well Satisfy a Steady State Condition? ¹	YES	YES	YES	#DIV/0!		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES			
Number of Data Points	8	8	8	0		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
Slope	-0.053	-0.003	-0.003	#DIV/0!		-0.005	-0.002	0.000	-0.174	-0.002	0.000	-0.001											
Intercept	2261.6377	148.4391	118.5003	#DIV/0!		221.4749	93.4967	19.6234	7359.0560	100.2803	18.8747	57.8288											
Standard Error of Estimates	5.308	0.598	1.123	#DIV/0!		0.996	0.137	0.366	13.381	0.396	0.038	0.106											
X Variable Coefficient	-0.05332269	-0.00342276	-0.00278854	Insufficient Data		-0.00508029	-0.00222829	-0.00043901	-0.17384083	-0.00234822	-0.00044381	-0.00136324											
P-Value	0.073	0.262	0.566	Insufficient Data		0.312	0.012	0.551	0.031	0.103	0.045	0.032											
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data		No Significant Trend	Significant Negative Trend	No Significant Trend	Significant Negative Trend	No Significant Trend	Significant Negative Trend	Significant Negative Trend											
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping		Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	Evaluate System Optimization											

Notes:

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- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloethane.
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- 'TCE' - Trichloroethene.

Table 10

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GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

Chemical Data																						
EW-7S Sample Date and Result	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L	
	no data	3/1/2013	1.2	12/3/2012	0.47	no data		3/1/2013	62.0	no data		no data		no data		no data	3/1/2013	90.0	3/1/2013	0.02	3/1/2013	2.08
	no data	4/1/2013	0.98	1/2/2013	0.59	no data		4/1/2013	68.0	no data		no data		no data		no data	4/1/2013	76.0	4/1/2013	0.01	4/1/2013	1.92
	no data	5/1/2013	1.2	2/1/2013	0.38	no data		5/1/2013	82.0	no data		no data		no data		no data	5/1/2013	82.0	5/1/2013	0.02	5/1/2013	2.16
	no data	6/3/2013	0.96	3/1/2013	0.4	no data		6/3/2013	68.0	no data		no data		no data		no data	6/3/2013	93.0	6/3/2013	0.01	6/3/2013	2.19
	no data	8/1/2013	1.0	5/1/2013	0.56	no data		8/1/2013	78.0	no data		no data		no data		no data	8/1/2013	82.0	8/1/2013	0.01	8/1/2013	2.12
	no data	9/3/2013	0.93	6/3/2013	0.37	no data		9/3/2013	66.0	no data		no data		no data		no data	9/3/2013	78.0	9/3/2013	0.01	9/3/2013	1.93
	no data	10/1/2013	0.95	10/1/2013	0.45	no data		10/1/2013	60.0	no data		no data		no data		no data	10/1/2013	86.0	10/1/2013	0.01	10/1/2013	1.99
	no data	12/2/2013	1.3	12/2/2013	0.69	no data		12/2/2013	150.0	no data		12/12/2011	1.3	no data		no data	12/2/2013	200.0	12/2/2013	0.02	12/2/2013	4.75
Chemical Statistics																						
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride								TCA Group ⁴	TCE Group ⁴				
Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	#DIV/0!	#DIV/0!	YES								YES	YES				
Number of Data Points	0	8	8	0	8	0	1	0	8								8	8				
Slope	#DIV/0!	0.000	0.000	#DIV/0!	0.178	#DIV/0!	#DIV/0!	#DIV/0!	0.261								0.000	0.006				
Intercept	#DIV/0!	0.4673	-13.2111	#DIV/0!	-7299.7658	#DIV/0!	#DIV/0!	#DIV/0!	-10737.3835								-0.2715	-247.0978				
Standard Error of Estimates	#DIV/0!	0.156	0.114	#DIV/0!	26.021	#DIV/0!	#DIV/0!	#DIV/0!	35.622								0.004	0.824				
X Variable Coefficient	Insufficient Data	0.00001442	0.00033097	Insufficient Data	0.17797391	Insufficient Data	Insufficient Data	Insufficient Data	0.26134682								0.00000688	0.00601741				
P-Value	Insufficient Data	0.982	0.357	Insufficient Data	0.133	Insufficient Data	Insufficient Data	Insufficient Data	0.111								0.696	0.113				
Trend Analysis ²	Insufficient Data	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	Insufficient Data	Insufficient Data	Insufficient Data	No Significant Trend								No Significant Trend	No Significant Trend				
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping								Continue Pumping	Continue Pumping				

Notes:

- 1 - Steady-state (stable) = slope less than error
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- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

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Table 10

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GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

Chemical Data																							
EW-3D Sample Date and Result	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group⁴ µmol/L		TCE Group⁴ µmol/L		
	no data	no data	no data	no data	no data	no data	no data	no data	4/1/2013	200.0	no data	no data	4/1/2013	40.0	4/1/2013	250.0	3/1/2013	4.4	no data	no data	4/1/2013	4.44	
	no data	no data	no data	no data	no data	no data	no data	no data	5/1/2013	210.0	no data	no data	5/1/2013	47.0	5/1/2013	280.0	4/1/2013	4.1	no data	no data	5/1/2013	4.84	
	no data	9/26/2011	2.4	no data	no data	no data	no data	no data	6/3/2013	190.0	no data	no data	6/3/2013	39.0	6/3/2013	250.0	5/1/2013	3.9	9/26/2011	0.03	6/3/2013	4.33	
	no data	10/10/2011	1.9	9/26/2011	1.0	no data	no data	no data	7/1/2013	200.0	no data	no data	7/1/2013	40.0	7/1/2013	270.0	6/3/2013	4.6	10/10/2011	0.03	7/1/2013	4.6	
	no data	10/17/2011	1.7	10/10/2011	0.85	no data	no data	no data	8/1/2013	190.0	no data	no data	8/1/2013	38.0	8/1/2013	250.0	7/1/2013	4.7	10/17/2011	0.02	8/1/2013	4.31	
	no data	10/31/2011	1.6	10/17/2011	0.66	no data	no data	no data	9/3/2013	170.0	no data	no data	9/3/2013	33.0	9/3/2013	220.0	8/1/2013	4.1	10/31/2011	0.02	9/3/2013	3.76	
	no data	11/28/2011	1.6	10/31/2011	0.77	no data	no data	no data	10/1/2013	200.0	no data	no data	10/1/2013	39.0	10/1/2013	280.0	10/1/2013	5.9	11/28/2011	0.02	10/1/2013	4.68	
	no data	12/12/2011	1.4	12/12/2011	0.55	no data	no data	no data	12/2/2013	170.0	10/31/2011	0.41	12/2/2013	34.0	12/2/2013	220.0	12/2/2013	3.7	12/12/2011	0.02	12/2/2013	3.83	
Chemical Statistics																							
1,1,1-TCA		1,1-DCA		1,1-DCE		Chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		Vinyl Chloride		TCA Group⁴		TCE Group⁴			
Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
Number of Data Points	0	6	5	0	8	1	8	8	8	8	8	8	8	6	8								
Slope	#DIV/0!	-0.010	-0.005	#DIV/0!	-0.123	#DIV/0!	-0.037	-0.129	0.001	0.000	-0.003												
Intercept	#DIV/0!	410.2367	207.2804	#DIV/0!	5312.3923	#DIV/0!	1567.9354	5590.6099	-45.7564	7.8774	115.1603												
Standard Error of Estimates	#DIV/0!	0.208	0.102	#DIV/0!	11.363	#DIV/0!	3.265	23.006	0.731	0.003	0.341												
X Variable Coefficient	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	-0.12347098	Insufficient Data	-0.03686873	-0.12870208	0.00121056	Insufficient Data	-0.00267169												
P-Value	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	0.057	Insufficient Data	0.050	0.272	0.697	Insufficient Data	0.141												
Trend Analysis ²	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend												
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping												

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Table 10

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GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Approach

Chemical Data																						
EW-8D Sample Date and Result	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L	
	no data	4/1/2013	1.3	no data		no data		4/1/2013	6.4	no data		4/1/2013	3.0	no data		4/1/2013	8.2	4/1/2013	0.01	4/1/2013	0.23	
	no data	5/1/2013	1.7	no data		no data		5/1/2013	6.8	no data		5/1/2013	3.3	no data		5/1/2013	8.2	5/1/2013	0.02	5/1/2013	0.24	
	no data	6/3/2013	1.4	9/26/2011	0.46	no data		6/3/2013	6.1	no data		6/3/2013	3.0	no data		6/3/2013	8.5	6/3/2013	0.01	6/3/2013	0.23	
	no data	7/1/2013	1.6	10/17/2011	0.53	no data		7/1/2013	6.5	no data		7/1/2013	3.1	no data		7/1/2013	9.7	7/1/2013	0.02	7/1/2013	0.25	
	no data	8/1/2013	1.4	10/31/2011	0.43	no data		8/1/2013	5.8	no data		8/1/2013	2.6	no data		8/1/2013	7.2	8/1/2013	0.01	8/1/2013	0.2	
	no data	9/3/2013	1.3	11/14/2011	0.43	no data		9/3/2013	5.8	no data		9/3/2013	2.7	no data		9/3/2013	7.5	9/3/2013	0.01	9/3/2013	0.21	
	no data	10/1/2013	1.6	4/2/2012	0.7	no data		10/1/2013	7.1	no data		10/1/2013	3.2	no data		10/1/2013	11.0	10/1/2013	0.02	10/1/2013	0.29	
	no data	12/2/2013	1.3	5/1/2012	0.42	no data		12/2/2013	6.0	no data		12/2/2013	2.7	no data		12/2/2013	7.6	12/2/2013	0.01	12/2/2013	0.21	
Chemical Statistics																						
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride								TCA Group ⁴	TCE Group ⁴				
Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	#DIV/0!	YES								YES	YES				
Number of Data Points	0	8	6	0	8	0	8	0	8								8	8				
Slope	#DIV/0!	0.000	0.000	#DIV/0!	-0.001	#DIV/0!	-0.001	#DIV/0!	0.001								0.000	0.000				
Intercept	#DIV/0!	19.8366	-16.0565	#DIV/0!	56.3027	#DIV/0!	64.8052	#DIV/0!	-21.9724								0.2005	0.3686				
Standard Error of Estimates	#DIV/0!	0.169	0.113	#DIV/0!	0.500	#DIV/0!	0.244	#DIV/0!	1.375								0.002	0.031				
X Variable Coefficient	Insufficient Data	-0.00044330	Insufficient Data	Insufficient Data	-0.00120527	Insufficient Data	-0.00149133	Insufficient Data	0.00073439								-0.00000448	-0.00000328				
P-Value	Insufficient Data	0.590	Insufficient Data	Insufficient Data	0.621	Insufficient Data	0.233	Insufficient Data	0.912								0.590	0.983				
Trend Analysis ²	Insufficient Data	No Significant Trend	Insufficient Data	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend								No Significant Trend	No Significant Trend				
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping								Continue Pumping	Continue Pumping				

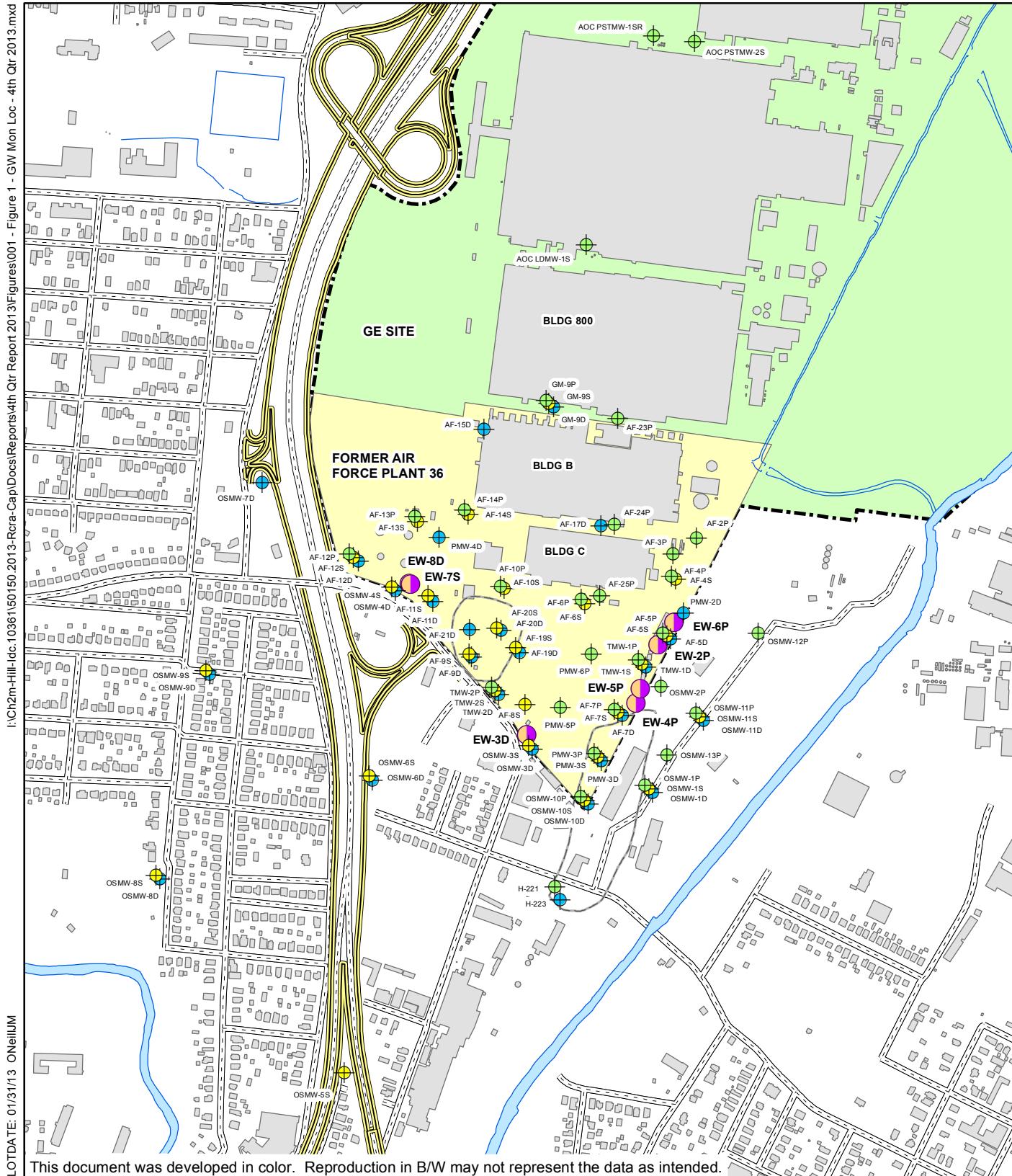
Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.

Figures

FIGURE 1

**GE
EVENDALE, OHIO**

N

LEGEND

- PERCHED MONITORING WELL LOCATION
- USG MONITORING WELL LOCATION
- LSG MONITORING WELL LOCATION
- EXTRATION WELL

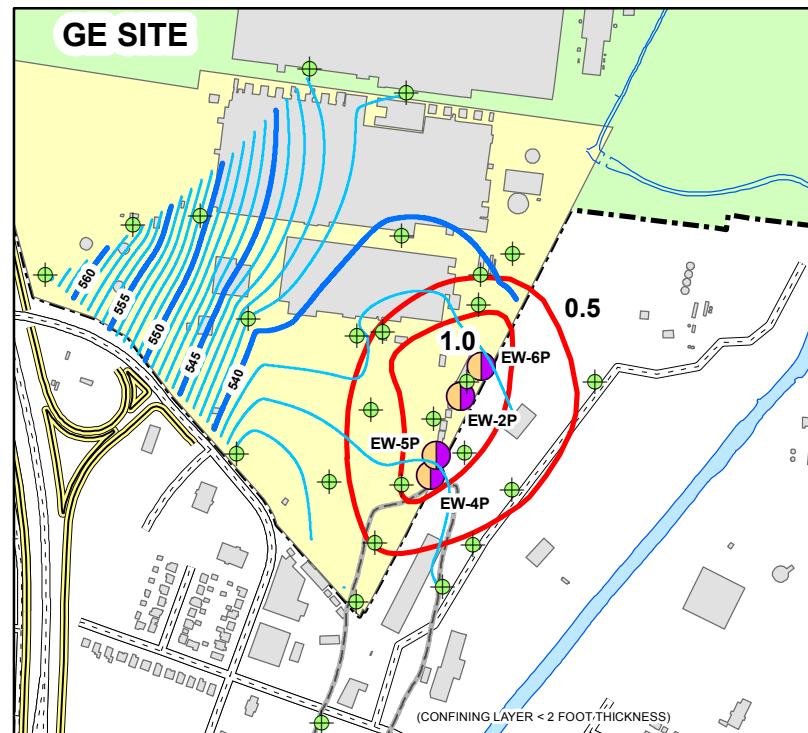
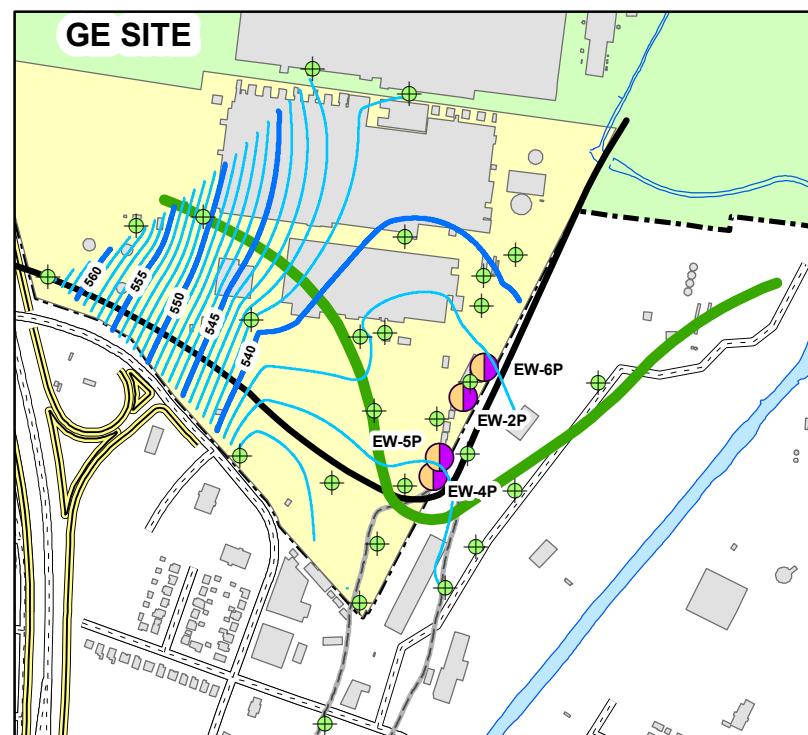
**GROUNDWATER IRM
MONITORING LOCATIONS**

0 400 800 1,200 1,600
Feet

FIGURE 2

I:\Ch2m-Hill\dc-10361\50150.2013\Rcrca-Cap\Reports\002 - Figure 2 - Perched - 4th Qtr 2013.mxd

PLOT DATE: 7/31/2013 O'NeillJM

Perched Zone**Approximate Drawdown (ft)
January 10, 2014***Based on Manual & Transducer Measurements***Estimated Drawdown
(feet) ****Perched Zone****Design Capture
Zone (320 gpm) ****Apparent Capture
Zone (200 gpm)
4Q 2013 **

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**GE
EVENDALE, OHIO**

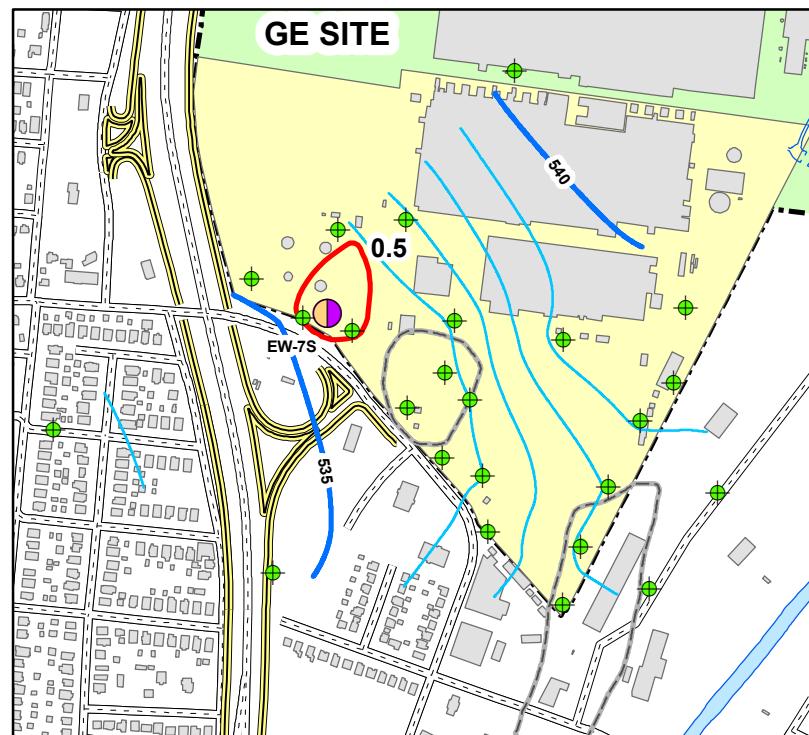
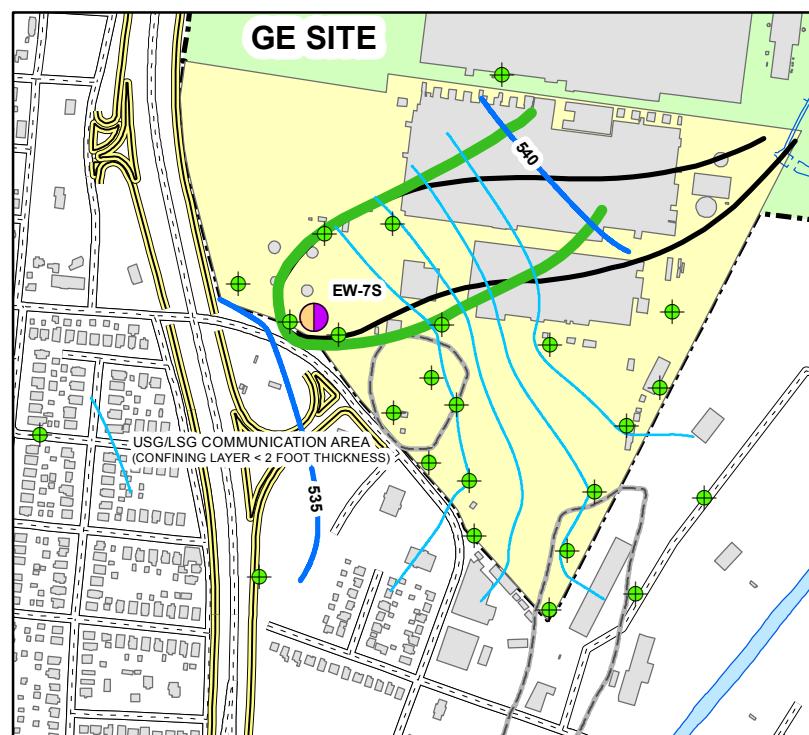
N

**PERCHED UNIT
ESTIMATED DRAWDOWN
AND CAPTURE ZONE**

FIGURE 3

I:\Ch2m-Hill\dc.10361\50150\2013-Rcr-Cap\Reports\4th Qtr Report 2013\Figures\003 - Figure 3 - USG - 4th Qtr 2013.mxd

PLOT DATE: 03/14/13 4:18:26 PM O'NeillJM

USG Zone**Approximate Drawdown (ft)**
January 10, 2014*Based on Manual & Transducer Measurements***Estimated Drawdown
(feet)** **USG Zone****Design Capture
Zone (80 gpm)** **Apparent Capture
Zone (35 gpm)
4Q 2013** 

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**GE
EVENDALE, OHIO**

N

**USG UNIT
ESTIMATED DRAWDOWN
AND CAPTURE ZONE**

FIGURE 4

I:\Ch2m-Hill\ddc\1036150\150\2013-Rcr\Cap\Docs\Reports\4th Qtr Report 2013\Figures004 - Figure 4 - LSG - 4th Qtr 2013.mxd

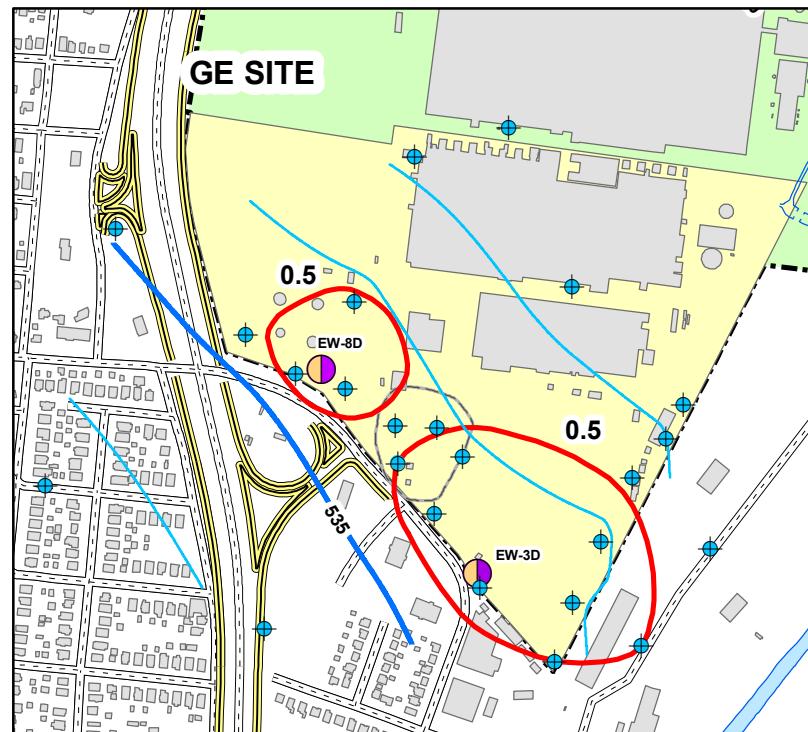
PLOT DATE: 2/21/2013 O'NeillJM

LSG Zone

Approximate Drawdown (ft)
January 10, 2014

Based on Manual & Transducer Measurements

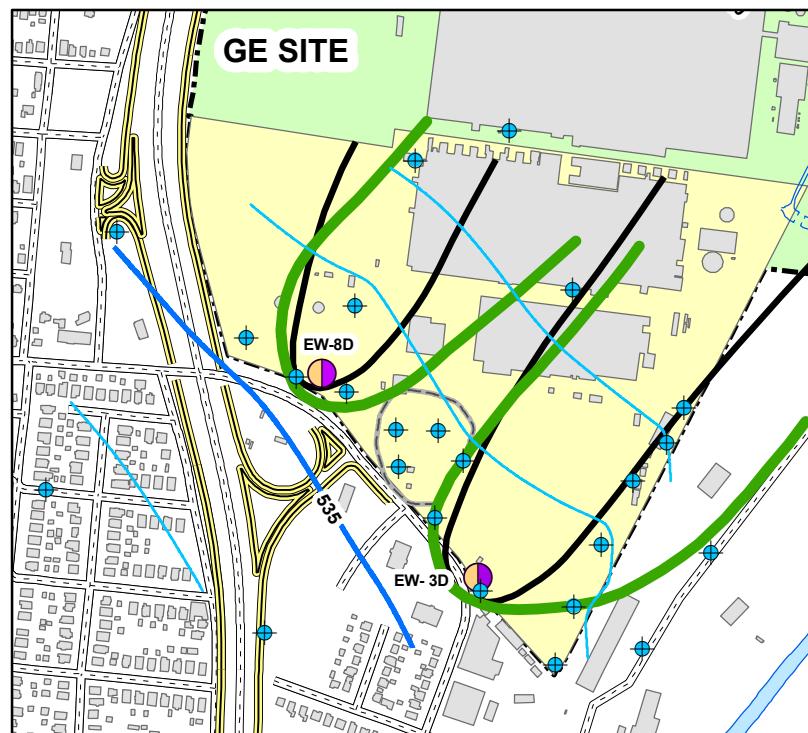
**Estimated Drawdown
(feet)** ——————



LSG Zone

**Design Capture
Zone (160 gpm)** ——————

**Apparent Capture
Zone (100 gpm)
4Q 2013** ——————

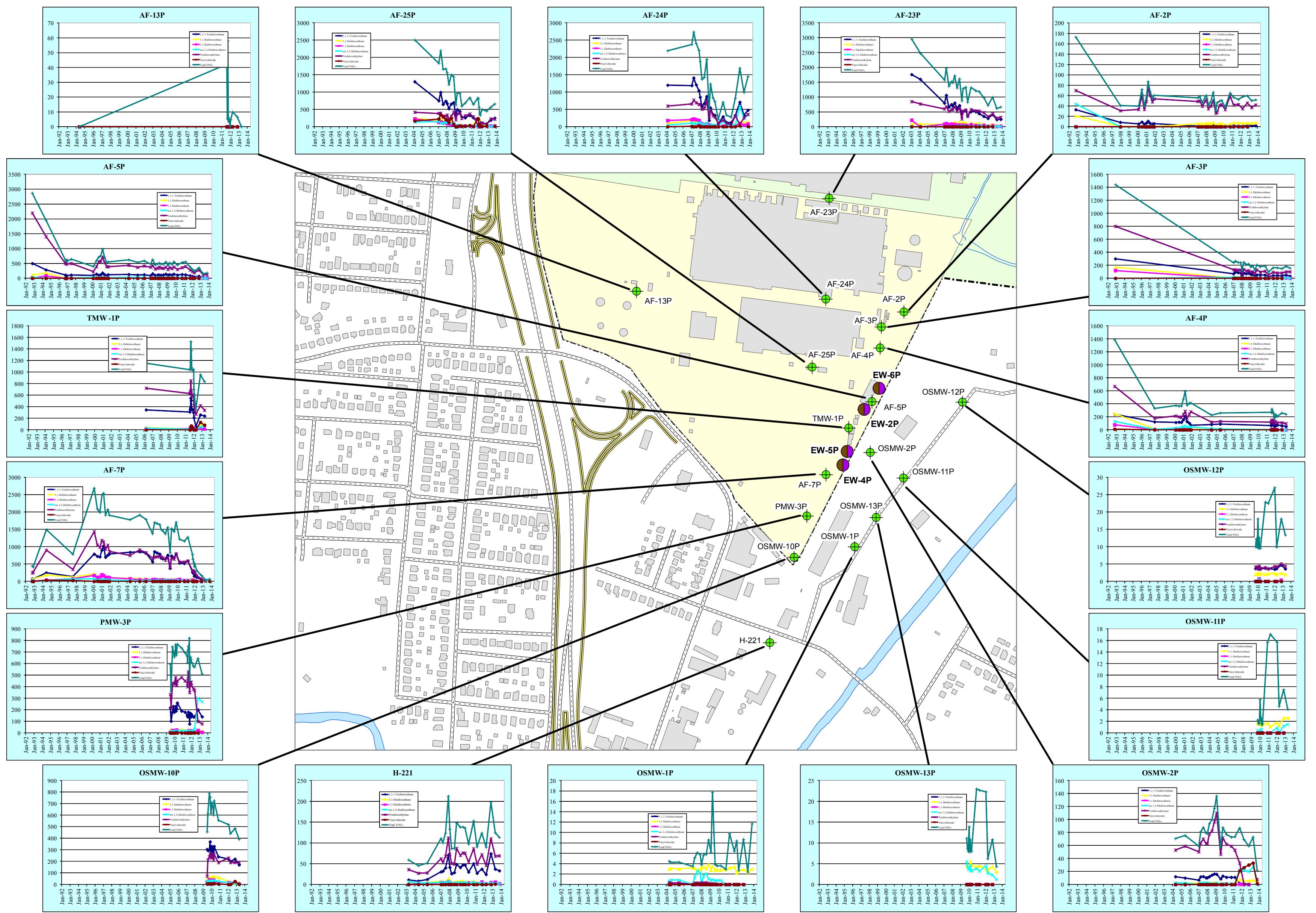


This document was developed in color. Reproduction in B/W may not represent the data as intended.

GE
EVENDALE, OHIO

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LSG UNIT
ESTIMATED DRAWDOWN
AND CAPTURE ZONES



This document was developed in color. Reproduction in B/W may not represent the data as intended.

LEGEND

- PERCHED AQUIFER MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS
 - PERCHED AQUIFER EXTRACTION WELL

GRAPH KEY

- ◆ 1,1,1-TRICHLOROETHANE
- ◆ 1,1-DICHLOROETHANE
- ■ 1,1-DICHLOROETHENE
- ✎ CIS-1,2-DICHLOROETHENE
- ★ TRICHLOROETHYLENE
- ● VINYL CHLORIDE
- TOTAL VOCs

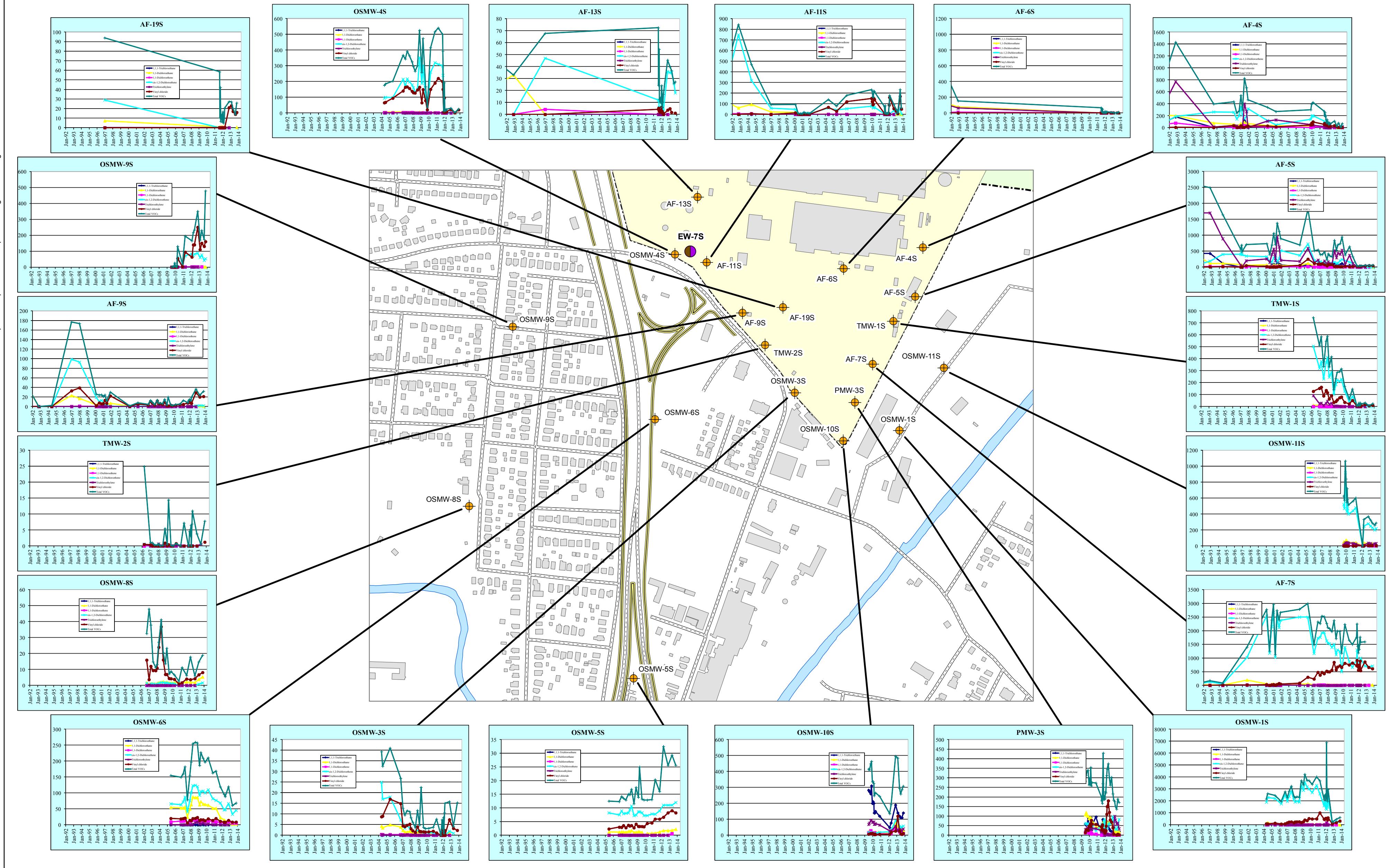
NOTES:

1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH

PERCHED AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

NOVEMBER 2012
1036148556-005





USG AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

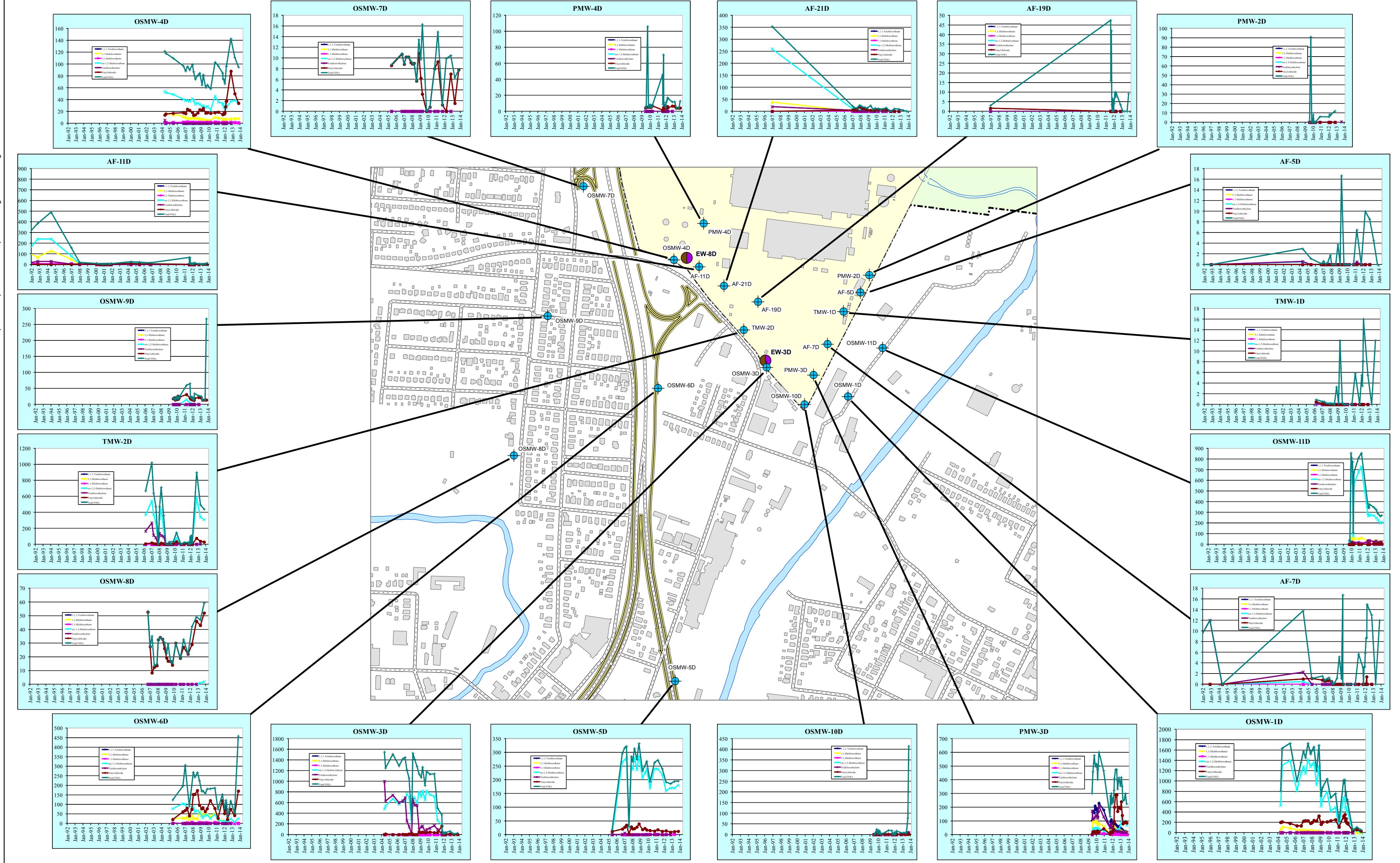
0 250 500 1,000
Feet

NOVEMBER 2012
1036148556-006

O'BRIEN & GERE

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

FIGURE 6



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FIGURE 7GE
EVENDALE, OHIO

LSG AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

0 250 500 1,000
Feet

NOVEMBER 2012
1036148556-007

O'BRIEN & GERE

Appendix A
Analytical Laboratory
Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-48845-1

TestAmerica Sample Delivery Group: 480-48845

Client Project/Site: GE - Evendale

For:

O'Brien & Gere Inc of North America

37000 Grand River Ave

Suite 260

Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch

A handwritten signature in black ink, appearing to read "Rebecca Jones".

Authorized for release by:

11/8/2013 1:30:02 PM

Rebecca Jones, Project Mgmt. Assistant

rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager I

(716)504-9838

john.schove@testamericainc.com

LINKS

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The
Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Job ID: 480-48845-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-48845-1

Comments

No additional comments.

Receipt

The samples were received on 10/26/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 149772 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OSMW-10S 102513 (480-48845-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 149960 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: Trip Blank

Lab Sample ID: 480-48845-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.2	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3S 102513

Lab Sample ID: 480-48845-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	19		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	18		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	84		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	34		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3D 102513

Lab Sample ID: 480-48845-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	21		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	19		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.49	J	1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	68		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	85		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10S 102513

Lab Sample ID: 480-48845-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	140		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	31		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	11		2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	18	J	20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	58		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	39		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	11		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-10D 102513

Lab Sample ID: 480-48845-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.1		1.0	0.82	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	8.0	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	390		10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	8.9		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: Trip Blank

Date Collected: 10/25/13 00:00
 Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		11/05/13 16:13		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/05/13 16:13		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/05/13 16:13		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		11/05/13 16:13		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/05/13 16:13		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/05/13 16:13		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/05/13 16:13		1
2-Hexanone	ND		5.0	1.2	ug/L		11/05/13 16:13		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/05/13 16:13		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/05/13 16:13		1
Acetone	6.2 J		10	3.0	ug/L		11/05/13 16:13		1
Benzene	ND		1.0	0.41	ug/L		11/05/13 16:13		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/05/13 16:13		1
Bromoform	ND		1.0	0.26	ug/L		11/05/13 16:13		1
Bromomethane	ND		1.0	0.69	ug/L		11/05/13 16:13		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/05/13 16:13		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/05/13 16:13		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/05/13 16:13		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/05/13 16:13		1
Chloroethane	ND		1.0	0.32	ug/L		11/05/13 16:13		1
Chloroform	ND		1.0	0.34	ug/L		11/05/13 16:13		1
Chloromethane	ND		1.0	0.35	ug/L		11/05/13 16:13		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		11/05/13 16:13		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/05/13 16:13		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/05/13 16:13		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/05/13 16:13		1
Styrene	ND		1.0	0.73	ug/L		11/05/13 16:13		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/05/13 16:13		1
Toluene	ND		1.0	0.51	ug/L		11/05/13 16:13		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/05/13 16:13		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/05/13 16:13		1
Trichloroethene	ND		1.0	0.46	ug/L		11/05/13 16:13		1
Vinyl chloride	ND		1.0	0.90	ug/L		11/05/13 16:13		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/05/13 16:13		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137			11/05/13 16:13		1
Toluene-d8 (Surr)	108			71 - 126			11/05/13 16:13		1
4-Bromofluorobenzene (Surr)	108			73 - 120			11/05/13 16:13		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: PMW-3S 102513

Lab Sample ID: 480-48845-2

Matrix: Water

Date Collected: 10/25/13 14:20
 Date Received: 10/26/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	19		1.0	0.82	ug/L			11/05/13 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/05/13 16:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/05/13 16:34	1
1,1-Dichloroethane	18		1.0	0.38	ug/L			11/05/13 16:34	1
1,1-Dichloroethene	1.0		1.0	0.29	ug/L			11/05/13 16:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/05/13 16:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/05/13 16:34	1
2-Hexanone	ND		5.0	1.2	ug/L			11/05/13 16:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/05/13 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/05/13 16:34	1
Acetone	13		10	3.0	ug/L			11/05/13 16:34	1
Benzene	ND		1.0	0.41	ug/L			11/05/13 16:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/05/13 16:34	1
Bromoform	ND		1.0	0.26	ug/L			11/05/13 16:34	1
Bromomethane	ND		1.0	0.69	ug/L			11/05/13 16:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/05/13 16:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/05/13 16:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/05/13 16:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/05/13 16:34	1
Chloroethane	ND		1.0	0.32	ug/L			11/05/13 16:34	1
Chloroform	ND		1.0	0.34	ug/L			11/05/13 16:34	1
Chloromethane	ND		1.0	0.35	ug/L			11/05/13 16:34	1
cis-1,2-Dichloroethene	84		1.0	0.81	ug/L			11/05/13 16:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/05/13 16:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/13 16:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/05/13 16:34	1
Styrene	ND		1.0	0.73	ug/L			11/05/13 16:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/05/13 16:34	1
Toluene	ND		1.0	0.51	ug/L			11/05/13 16:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/05/13 16:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/05/13 16:34	1
Trichloroethene	34		1.0	0.46	ug/L			11/05/13 16:34	1
Vinyl chloride	2.4		1.0	0.90	ug/L			11/05/13 16:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/13 16:34	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/05/13 16:34	1
Toluene-d8 (Surr)	104			71 - 126				11/05/13 16:34	1
4-Bromofluorobenzene (Surr)	111			73 - 120				11/05/13 16:34	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: PMW-3D 102513

Lab Sample ID: 480-48845-3

Matrix: Water

Date Collected: 10/25/13 14:30
 Date Received: 10/26/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	21		1.0	0.82	ug/L		11/06/13 00:04		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/06/13 00:04		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/06/13 00:04		1
1,1-Dichloroethane	19		1.0	0.38	ug/L		11/06/13 00:04		1
1,1-Dichloroethene	1.2		1.0	0.29	ug/L		11/06/13 00:04		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/06/13 00:04		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/06/13 00:04		1
2-Hexanone	ND		5.0	1.2	ug/L		11/06/13 00:04		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/06/13 00:04		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/06/13 00:04		1
Acetone	15		10	3.0	ug/L		11/06/13 00:04		1
Benzene	0.49	J	1.0	0.41	ug/L		11/06/13 00:04		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/06/13 00:04		1
Bromoform	ND		1.0	0.26	ug/L		11/06/13 00:04		1
Bromomethane	ND		1.0	0.69	ug/L		11/06/13 00:04		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/06/13 00:04		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/06/13 00:04		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/06/13 00:04		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/06/13 00:04		1
Chloroethane	ND		1.0	0.32	ug/L		11/06/13 00:04		1
Chloroform	ND		1.0	0.34	ug/L		11/06/13 00:04		1
Chloromethane	ND		1.0	0.35	ug/L		11/06/13 00:04		1
cis-1,2-Dichloroethene	68		1.0	0.81	ug/L		11/06/13 00:04		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/06/13 00:04		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/06/13 00:04		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/06/13 00:04		1
Styrene	ND		1.0	0.73	ug/L		11/06/13 00:04		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/06/13 00:04		1
Toluene	ND		1.0	0.51	ug/L		11/06/13 00:04		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/06/13 00:04		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/06/13 00:04		1
Trichloroethene	15		1.0	0.46	ug/L		11/06/13 00:04		1
Vinyl chloride	85		1.0	0.90	ug/L		11/06/13 00:04		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/06/13 00:04		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137			11/06/13 00:04		1
Toluene-d8 (Surr)	102			71 - 126			11/06/13 00:04		1
4-Bromofluorobenzene (Surr)	111			73 - 120			11/06/13 00:04		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: OSMW-10S 102513

Lab Sample ID: 480-48845-4
Matrix: Ground Water

Date Collected: 10/25/13 14:40
 Date Received: 10/26/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	140		2.0	1.6	ug/L		11/05/13 17:17		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		11/05/13 17:17		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		11/05/13 17:17		2
1,1-Dichloroethane	31		2.0	0.76	ug/L		11/05/13 17:17		2
1,1-Dichloroethene	11		2.0	0.58	ug/L		11/05/13 17:17		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		11/05/13 17:17		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		11/05/13 17:17		2
2-Hexanone	ND		10	2.5	ug/L		11/05/13 17:17		2
2-Butanone (MEK)	ND		20	2.6	ug/L		11/05/13 17:17		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		11/05/13 17:17		2
Acetone	18	J	20	6.0	ug/L		11/05/13 17:17		2
Benzene	ND		2.0	0.82	ug/L		11/05/13 17:17		2
Bromodichloromethane	ND		2.0	0.78	ug/L		11/05/13 17:17		2
Bromoform	ND		2.0	0.52	ug/L		11/05/13 17:17		2
Bromomethane	ND		2.0	1.4	ug/L		11/05/13 17:17		2
Carbon disulfide	ND		2.0	0.38	ug/L		11/05/13 17:17		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		11/05/13 17:17		2
Chlorobenzene	ND		2.0	1.5	ug/L		11/05/13 17:17		2
Dibromochloromethane	ND		2.0	0.64	ug/L		11/05/13 17:17		2
Chloroethane	ND		2.0	0.64	ug/L		11/05/13 17:17		2
Chloroform	ND		2.0	0.68	ug/L		11/05/13 17:17		2
Chloromethane	ND		2.0	0.70	ug/L		11/05/13 17:17		2
cis-1,2-Dichloroethene	58		2.0	1.6	ug/L		11/05/13 17:17		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		11/05/13 17:17		2
Ethylbenzene	ND		2.0	1.5	ug/L		11/05/13 17:17		2
Methylene Chloride	ND		2.0	0.88	ug/L		11/05/13 17:17		2
Styrene	ND		2.0	1.5	ug/L		11/05/13 17:17		2
Tetrachloroethene	ND		2.0	0.72	ug/L		11/05/13 17:17		2
Toluene	ND		2.0	1.0	ug/L		11/05/13 17:17		2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L		11/05/13 17:17		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		11/05/13 17:17		2
Trichloroethene	39		2.0	0.92	ug/L		11/05/13 17:17		2
Vinyl chloride	11		2.0	1.8	ug/L		11/05/13 17:17		2
Xylenes, Total	ND		4.0	1.3	ug/L		11/05/13 17:17		2
Surrogate	%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	104			66 - 137			11/05/13 17:17		2
Toluene-d8 (Surr)	106			71 - 126			11/05/13 17:17		2
4-Bromofluorobenzene (Surr)	113			73 - 120			11/05/13 17:17		2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Client Sample ID: OSMW-10D 102513

Lab Sample ID: 480-48845-5

Matrix: Water

Date Collected: 10/25/13 14:45

Date Received: 10/26/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.1		1.0	0.82	ug/L			11/05/13 17:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/05/13 17:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/05/13 17:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/05/13 17:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/05/13 17:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/05/13 17:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/05/13 17:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/05/13 17:38	1
2-Butanone (MEK)	8.0 J		10	1.3	ug/L			11/05/13 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/05/13 17:38	1
Acetone	390		10	3.0	ug/L			11/05/13 17:38	1
Benzene	ND		1.0	0.41	ug/L			11/05/13 17:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/05/13 17:38	1
Bromoform	ND		1.0	0.26	ug/L			11/05/13 17:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/05/13 17:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/05/13 17:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/05/13 17:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/05/13 17:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/05/13 17:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/05/13 17:38	1
Chloroform	ND		1.0	0.34	ug/L			11/05/13 17:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/05/13 17:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/05/13 17:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/05/13 17:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/13 17:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/05/13 17:38	1
Styrene	ND		1.0	0.73	ug/L			11/05/13 17:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/05/13 17:38	1
Toluene	ND		1.0	0.51	ug/L			11/05/13 17:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/05/13 17:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/05/13 17:38	1
Trichloroethene	8.9		1.0	0.46	ug/L			11/05/13 17:38	1
Vinyl chloride	1.6		1.0	0.90	ug/L			11/05/13 17:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/13 17:38	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			66 - 137				11/05/13 17:38	1
Toluene-d8 (Surr)	102			71 - 126				11/05/13 17:38	1
4-Bromofluorobenzene (Surr)	107			73 - 120				11/05/13 17:38	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-48845-4	OSMW-10S 102513	104	106	113

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-48845-1	Trip Blank	104	108	108
480-48845-2	PMW-3S 102513	107	104	111
480-48845-3	PMW-3D 102513	105	102	111
480-48845-5	OSMW-10D 102513	101	102	107
LCS 480-149772/4	Lab Control Sample	103	103	100
LCS 480-149960/5	Lab Control Sample	104	102	102
MB 480-149772/6	Method Blank	106	105	111
MB 480-149960/6	Method Blank	102	106	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-149772/6

Matrix: Water

Analysis Batch: 149772

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		11/05/13 10:19	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		11/05/13 10:19	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		11/05/13 10:19	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		11/05/13 10:19	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		11/05/13 10:19	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		11/05/13 10:19	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		11/05/13 10:19	1
2-Hexanone	ND		1	5.0	1.2	ug/L		11/05/13 10:19	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		11/05/13 10:19	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		11/05/13 10:19	1
Acetone	ND		1	10	3.0	ug/L		11/05/13 10:19	1
Benzene	ND		1	1.0	0.41	ug/L		11/05/13 10:19	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		11/05/13 10:19	1
Bromoform	ND		1	1.0	0.26	ug/L		11/05/13 10:19	1
Bromomethane	ND		1	1.0	0.69	ug/L		11/05/13 10:19	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		11/05/13 10:19	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		11/05/13 10:19	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		11/05/13 10:19	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		11/05/13 10:19	1
Chloroethane	ND		1	1.0	0.32	ug/L		11/05/13 10:19	1
Chloroform	ND		1	1.0	0.34	ug/L		11/05/13 10:19	1
Chloromethane	ND		1	1.0	0.35	ug/L		11/05/13 10:19	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		11/05/13 10:19	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		11/05/13 10:19	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		11/05/13 10:19	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		11/05/13 10:19	1
Styrene	ND		1	1.0	0.73	ug/L		11/05/13 10:19	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		11/05/13 10:19	1
Toluene	ND		1	1.0	0.51	ug/L		11/05/13 10:19	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		11/05/13 10:19	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		11/05/13 10:19	1
Trichloroethene	ND		1	1.0	0.46	ug/L		11/05/13 10:19	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		11/05/13 10:19	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		11/05/13 10:19	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	106		1	66 - 137		11/05/13 10:19	
Toluene-d8 (Surr)	105		1	71 - 126		11/05/13 10:19	
4-Bromofluorobenzene (Surr)	111		1	73 - 120		11/05/13 10:19	

Lab Sample ID: LCS 480-149772/4

Matrix: Water

Analysis Batch: 149772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier					
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	27.4		ug/L		110	70 - 126	
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-149772/4

Matrix: Water

Analysis Batch: 149772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
1,1-Dichloroethane	25.0	27.3		ug/L		109	71 - 129
1,1-Dichloroethene	25.0	27.8		ug/L		111	58 - 121
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	140		ug/L		112	71 - 125
Acetone	125	141		ug/L		113	56 - 142
Benzene	25.0	27.1		ug/L		108	71 - 124
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122
Bromoform	25.0	23.1		ug/L		92	66 - 128
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	26.4		ug/L		106	72 - 120
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Chloroethane	25.0	26.9		ug/L		107	69 - 136
Chloroform	25.0	26.8		ug/L		107	73 - 127
Chloromethane	25.0	26.8		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		108	74 - 124
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123
Methylene Chloride	25.0	27.2		ug/L		109	57 - 132
Styrene	25.0	26.6		ug/L		107	70 - 130
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	72 - 123
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
Vinyl chloride	25.0	27.4		ug/L		109	65 - 133
Xylenes, Total	75.0	80.6		ug/L		107	76 - 122

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	103		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: MB 480-149960/6

Matrix: Water

Analysis Batch: 149960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/05/13 22:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/05/13 22:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/05/13 22:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/05/13 22:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/05/13 22:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/05/13 22:09	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-149960/6

Matrix: Water

Analysis Batch: 149960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,2-Dichloropropane	ND				1.0	0.72	ug/L			11/05/13 22:09	1
2-Hexanone	ND				5.0	1.2	ug/L			11/05/13 22:09	1
2-Butanone (MEK)	ND				10	1.3	ug/L			11/05/13 22:09	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			11/05/13 22:09	1
Acetone	ND				10	3.0	ug/L			11/05/13 22:09	1
Benzene	ND				1.0	0.41	ug/L			11/05/13 22:09	1
Bromodichloromethane	ND				1.0	0.39	ug/L			11/05/13 22:09	1
Bromoform	ND				1.0	0.26	ug/L			11/05/13 22:09	1
Bromomethane	ND				1.0	0.69	ug/L			11/05/13 22:09	1
Carbon disulfide	ND				1.0	0.19	ug/L			11/05/13 22:09	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			11/05/13 22:09	1
Chlorobenzene	ND				1.0	0.75	ug/L			11/05/13 22:09	1
Dibromochloromethane	ND				1.0	0.32	ug/L			11/05/13 22:09	1
Chloroethane	ND				1.0	0.32	ug/L			11/05/13 22:09	1
Chloroform	ND				1.0	0.34	ug/L			11/05/13 22:09	1
Chloromethane	ND				1.0	0.35	ug/L			11/05/13 22:09	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			11/05/13 22:09	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			11/05/13 22:09	1
Ethylbenzene	ND				1.0	0.74	ug/L			11/05/13 22:09	1
Methylene Chloride	ND				1.0	0.44	ug/L			11/05/13 22:09	1
Styrene	ND				1.0	0.73	ug/L			11/05/13 22:09	1
Tetrachloroethene	ND				1.0	0.36	ug/L			11/05/13 22:09	1
Toluene	ND				1.0	0.51	ug/L			11/05/13 22:09	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			11/05/13 22:09	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			11/05/13 22:09	1
Trichloroethene	ND				1.0	0.46	ug/L			11/05/13 22:09	1
Vinyl chloride	ND				1.0	0.90	ug/L			11/05/13 22:09	1
Xylenes, Total	ND				2.0	0.66	ug/L			11/05/13 22:09	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	102		66 - 137				11/05/13 22:09	1
Toluene-d8 (Surr)	106		71 - 126				11/05/13 22:09	1
4-Bromofluorobenzene (Surr)	106		73 - 120				11/05/13 22:09	1

Lab Sample ID: LCS 480-149960/5

Matrix: Water

Analysis Batch: 149960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec
1,1,1-Trichloroethane	25.0	29.3		ug/L	117	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.6		ug/L	110	70 - 126
1,1,2-Trichloroethane	25.0	26.5		ug/L	106	76 - 122
1,1-Dichloroethane	25.0	28.4		ug/L	113	71 - 129
1,1-Dichloroethene	25.0	28.9		ug/L	116	58 - 121
1,2-Dichloroethane	25.0	27.8		ug/L	111	75 - 127
1,2-Dichloropropane	25.0	27.4		ug/L	110	76 - 120
2-Hexanone	125	130		ug/L	104	65 - 127
2-Butanone (MEK)	125	138		ug/L	111	57 - 140

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-149960/5

Matrix: Water

Analysis Batch: 149960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	28.0		ug/L		112	71 - 124
Bromodichloromethane	25.0	27.4		ug/L		110	80 - 122
Bromoform	25.0	24.5		ug/L		98	66 - 128
Bromomethane	25.0	27.5		ug/L		110	55 - 144
Carbon disulfide	25.0	29.4		ug/L		118	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	27.0		ug/L		108	72 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	30.2		ug/L		121	69 - 136
Chloroform	25.0	28.2		ug/L		113	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	28.2		ug/L		113	74 - 124
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	74 - 124
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Methylene Chloride	25.0	28.6		ug/L		114	57 - 132
Styrene	25.0	27.5		ug/L		110	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	26.8		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	28.6		ug/L		114	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	72 - 123
Trichloroethene	25.0	28.2		ug/L		113	74 - 123
Vinyl chloride	25.0	29.4		ug/L		117	65 - 133
Xylenes, Total	75.0	82.8		ug/L		110	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	102		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

GC/MS VOA

Analysis Batch: 149772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48845-1	Trip Blank	Total/NA	Water	8260C	
480-48845-2	PMW-3S 102513	Total/NA	Water	8260C	
480-48845-4	OSMW-10S 102513	Total/NA	Ground Water	8260C	
480-48845-5	OSMW-10D 102513	Total/NA	Water	8260C	
LCS 480-149772/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-149772/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 149960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48845-3	PMW-3D 102513	Total/NA	Water	8260C	
LCS 480-149960/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-149960/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Client Sample ID: Trip Blank

Date Collected: 10/25/13 00:00
Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	149772	11/05/13 16:13	CDC	TAL BUF

Client Sample ID: PMW-3S 102513

Date Collected: 10/25/13 14:20
Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	149772	11/05/13 16:34	CDC	TAL BUF

Client Sample ID: PMW-3D 102513

Date Collected: 10/25/13 14:30
Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	149960	11/06/13 00:04	TRB	TAL BUF

Client Sample ID: OSMW-10S 102513

Date Collected: 10/25/13 14:40
Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	149772	11/05/13 17:17	CDC	TAL BUF

Client Sample ID: OSMW-10D 102513

Date Collected: 10/25/13 14:45
Date Received: 10/26/13 09:00

Lab Sample ID: 480-48845-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	149772	11/05/13 17:38	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
 SDG: 480-48845

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

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Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale

TestAmerica Job ID: 480-48845-1
SDG: 480-48845

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48845-1	Trip Blank	Water	10/25/13 00:00	10/26/13 09:00
480-48845-2	PMW-3S 102513	Water	10/25/13 14:20	10/26/13 09:00
480-48845-3	PMW-3D 102513	Water	10/25/13 14:30	10/26/13 09:00
480-48845-4	OSMW-10S 102513	Ground Water	10/25/13 14:40	10/26/13 09:00
480-48845-5	OSMW-10D 102513	Water	10/25/13 14:45	10/26/13 09:00

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:

DW

NPDES

RCRA

Other

Regulatory program:

NPDES

RCRA

Other

Client Contact

Client Project Manager:

Tony Finch

Telephone:

243-477-5701

Email:

Antony.Finch@obj.com

Site Contact:

Mike Clark, II

Telephone:

859-301-0271

Lab Contact:

John Steele

Telephone:

716-504-7835

For lab use only

CO No: 57655

Analysis Turnaround Time

(in BUS days)

TAT if different from below

3 weeks

2 weeks

1 week

2 days

1 day

For lab use only

Walk-in client

Lab pickup

Lab sampling

Job/SDG No:

Sample Specific Notes /

Special Instructions:

For lab use only

Walk-in client

Lab pickup

Lab sampling

Job/SDG No:

Sample Specific Notes /

Special Instructions:

For lab use only

Walk-in client

Lab pickup

Lab sampling

Job/SDG No:

Sample Specific Notes /

Special Instructions:

For lab use only

Walk-in client

Lab pickup

Lab sampling

Job/SDG No:

Sample Specific Notes /

Special Instructions:

For lab use only

Walk-in client

Lab pickup

Lab sampling

Job/SDG No:

Filterd Sample (Y/N)

Compostable / Grab Bag

Other

Lab pres.

NAOH

Zn/Ac

NaOH

HCl

HNO3

H2SO4

Matrix

Sediment

Aqueous

Soil

Other

Unknown

Poison A

Poison B

Skin Irritant

Flammable

Non-Hazard

Possible Hazard Identification

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client

Disposal By Lab

Archive For

Months



480-48845 Chain of Custody

Special Instructions:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client

Disposal By Lab

Archive For

Months

Possible Hazard Identification

Non-Hazard

Flammable

Skin Irritant

Toxic

Corrosive

Other

Special Instructions:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client

Disposal By Lab

Archive For

Months

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Return to Client

Disposal By Lab

Archive For

Months

Special Instructions:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client

Disposal By Lab

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-48845-1
SDG Number: 480-48845

Login Number: 48845

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	o'brien & gere
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-49003-1

TestAmerica Sample Delivery Group: 480-49003

Client Project/Site: GE - IRM Project

For:

O'Brien & Gere Inc of North America

37000 Grand River Ave

Suite 260

Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch

Authorized for release by:

11/15/2013 12:02:31 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II

(716)504-9838

john.schove@testamericainc.com

LINKS

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results through

TotalAccess

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Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Job ID: 480-49003-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-49003-1

Comments

No additional comments.

Receipt

The samples were received on 10/30/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

Except:

The following sample was received at the laboratory without a sample collection time documented on the chain of custody: ADW-100 102913 (480-49003-23). As a result, a sample collection time of 12:00 a.m. on the date of collection was used.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-4P 102913 (480-49003-11), OSMW-9S 102913 (480-49003-15), TMW-1P 102913 (480-49003-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 150351 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method(s) 8260C: The matrix spike and matrix spike duplicate (MS/MSD) recoveries for batch 150351 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OSMW-10P 102913 (480-49003-8), OSMW-11D 102913 (480-49003-27), OSMW-11S 102913 (480-49003-26), PMW-3P 102913 (480-49003-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 150555 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: TMW-1P 102913 (480-49003-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 150653 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: Trip Blank 102913

Lab Sample ID: 480-49003-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3P 102913

Lab Sample ID: 480-49003-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	180		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	18		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	9.0		4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	13	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	190		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	180		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-12P 102913

Lab Sample ID: 480-49003-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	9.3	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	5.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10P 102913

Lab Sample ID: 480-49003-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	13		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	7.1		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.3		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	140		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene - DL	160		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: TMW-1P 102913

Lab Sample ID: 480-49003-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	190		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	69		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	31		2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	15	J	20	6.0	ug/L	2		8260C	Total/NA
Chloroform	2.0		2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	47		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.2	J	2.0	0.72	ug/L	2		8260C	Total/NA
Vinyl chloride	19		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene - DL	130		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: OSMW-13P 102913

Lab Sample ID: 480-49003-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.3		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	3.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	240		10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-13P 102913 (Continued)

Lab Sample ID: 480-49003-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.91	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: AF-4P 102913

Lab Sample ID: 480-49003-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	45		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.1		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.6	J	2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	12	J	20	6.0	ug/L	2		8260C	Total/NA
Chloroform	1.3	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	2.1		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	11		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	97		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: AF-4S 102913

Lab Sample ID: 480-49003-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.8		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA
Benzene	1.1		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-2D 102913

Lab Sample ID: 480-49003-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-6S

Lab Sample ID: 480-49003-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	0.92	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9S 102913

Lab Sample ID: 480-49003-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5	J	2.0	0.76	ug/L	2		8260C	Total/NA
2-Butanone (MEK)	3.9	J	20	2.6	ug/L	2		8260C	Total/NA
Acetone	260		20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	53		2.0	1.6	ug/L	2		8260C	Total/NA
Vinyl chloride	160		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-9D 102913

Lab Sample ID: 480-49003-16

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-9D 102913 (Continued)

Lab Sample ID: 480-49003-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.8	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	250		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	14		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19S 102913

Lab Sample ID: 480-49003-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.41	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	9.4	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	16		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19D 102913

Lab Sample ID: 480-49003-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.2	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S 102913

Lab Sample ID: 480-49003-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.78	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	8.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	50		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-13P 102913

Lab Sample ID: 480-49003-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11D 102913

Lab Sample ID: 480-49003-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	3.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-13S 102913

Lab Sample ID: 480-49003-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: ADW-100 102913

Lab Sample ID: 480-49003-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	3.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-4D 102913

Lab Sample ID: 480-49003-24

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: PMW-4D 102913 (Continued)

Lab Sample ID: 480-49003-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	4.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11P 102913

Lab Sample ID: 480-49003-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	8.7	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11S 102913

Lab Sample ID: 480-49003-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	26		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	2.3	J	4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	220		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	4.7		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	32		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.6	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-11D 102913

Lab Sample ID: 480-49003-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	27		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	2.3	J	4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	210		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	4.7		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	24		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.4		4.0	3.6	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: Trip Blank 102913

Lab Sample ID: 480-49003-5

Matrix: Water

Date Collected: 10/29/13 00:00

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 11:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 11:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 11:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 11:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 11:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 11:31	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 11:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 11:31	1
Acetone	5.9 J		10	3.0	ug/L			11/07/13 11:31	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 11:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 11:31	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 11:31	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 11:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 11:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 11:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 11:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 11:31	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 11:31	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 11:31	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 11:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 11:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 11:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 11:31	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 11:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 11:31	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 11:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 11:31	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 11:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/07/13 11:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 11:31	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			66 - 137				11/07/13 11:31	1
Toluene-d8 (Surr)	101			71 - 126				11/07/13 11:31	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/07/13 11:31	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: PMW-3P 102913

Lab Sample ID: 480-49003-6

Matrix: Water

Date Collected: 10/29/13 09:14
 Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	180		4.0	3.3	ug/L		11/07/13 23:57		4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L		11/07/13 23:57		4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L		11/07/13 23:57		4
1,1-Dichloroethane	18		4.0	1.5	ug/L		11/07/13 23:57		4
1,1-Dichloroethene	9.0		4.0	1.2	ug/L		11/07/13 23:57		4
1,2-Dichloroethane	ND		4.0	0.84	ug/L		11/07/13 23:57		4
1,2-Dichloropropane	ND		4.0	2.9	ug/L		11/07/13 23:57		4
2-Hexanone	ND		20	5.0	ug/L		11/07/13 23:57		4
2-Butanone (MEK)	ND		40	5.3	ug/L		11/07/13 23:57		4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L		11/07/13 23:57		4
Acetone	13 J		40	12	ug/L		11/07/13 23:57		4
Benzene	ND		4.0	1.6	ug/L		11/07/13 23:57		4
Bromodichloromethane	ND		4.0	1.6	ug/L		11/07/13 23:57		4
Bromoform	ND		4.0	1.0	ug/L		11/07/13 23:57		4
Bromomethane	ND		4.0	2.8	ug/L		11/07/13 23:57		4
Carbon disulfide	ND		4.0	0.76	ug/L		11/07/13 23:57		4
Carbon tetrachloride	ND		4.0	1.1	ug/L		11/07/13 23:57		4
Chlorobenzene	ND		4.0	3.0	ug/L		11/07/13 23:57		4
Dibromochloromethane	ND		4.0	1.3	ug/L		11/07/13 23:57		4
Chloroethane	ND		4.0	1.3	ug/L		11/07/13 23:57		4
Chloroform	ND		4.0	1.4	ug/L		11/07/13 23:57		4
Chloromethane	ND		4.0	1.4	ug/L		11/07/13 23:57		4
cis-1,2-Dichloroethene	190		4.0	3.2	ug/L		11/07/13 23:57		4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L		11/07/13 23:57		4
Ethylbenzene	ND		4.0	3.0	ug/L		11/07/13 23:57		4
Methylene Chloride	ND		4.0	1.8	ug/L		11/07/13 23:57		4
Styrene	ND		4.0	2.9	ug/L		11/07/13 23:57		4
Tetrachloroethene	ND		4.0	1.4	ug/L		11/07/13 23:57		4
Toluene	ND		4.0	2.0	ug/L		11/07/13 23:57		4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L		11/07/13 23:57		4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L		11/07/13 23:57		4
Trichloroethene	180		4.0	1.8	ug/L		11/07/13 23:57		4
Vinyl chloride	ND		4.0	3.6	ug/L		11/07/13 23:57		4
Xylenes, Total	ND		8.0	2.6	ug/L		11/07/13 23:57		4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		11/07/13 23:57	4
Toluene-d8 (Surr)	101		71 - 126		11/07/13 23:57	4
4-Bromofluorobenzene (Surr)	98		73 - 120		11/07/13 23:57	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-12P 102913

Lab Sample ID: 480-49003-7

Date Collected: 10/29/13 09:27

Matrix: Ground Water

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.5		1.0	0.82	ug/L			11/07/13 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 12:15	1
1,1-Dichloroethane	2.2		1.0	0.38	ug/L			11/07/13 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 12:15	1
Acetone	9.3 J		10	3.0	ug/L			11/07/13 12:15	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 12:15	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 12:15	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 12:15	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 12:15	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 12:15	1
Trichloroethene	5.1		1.0	0.46	ug/L			11/07/13 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/07/13 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 12:15	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 12:15	1
Toluene-d8 (Surr)	103			71 - 126				11/07/13 12:15	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/07/13 12:15	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-10P 102913

Lab Sample ID: 480-49003-8

Date Collected: 10/29/13 09:32
 Date Received: 10/30/13 09:00

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 12:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 12:36	1
1,1-Dichloroethane	13		1.0	0.38	ug/L			11/07/13 12:36	1
1,1-Dichloroethene	7.1		1.0	0.29	ug/L			11/07/13 12:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 12:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 12:36	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 12:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 12:36	1
Acetone	11		10	3.0	ug/L			11/07/13 12:36	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 12:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 12:36	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 12:36	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 12:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 12:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 12:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 12:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 12:36	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 12:36	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 12:36	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 12:36	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			11/07/13 12:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 12:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 12:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 12:36	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 12:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 12:36	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 12:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 12:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 12:36	1
Vinyl chloride	1.3		1.0	0.90	ug/L			11/07/13 12:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 12:36	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/07/13 12:36	1
Toluene-d8 (Surr)	100			71 - 126				11/07/13 12:36	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/07/13 12:36	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	140		2.0	1.6	ug/L			11/08/13 00:19	2
Trichloroethene	160		2.0	0.92	ug/L			11/08/13 00:19	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/08/13 00:19	2
Toluene-d8 (Surr)	101			71 - 126				11/08/13 00:19	2
4-Bromofluorobenzene (Surr)	99			73 - 120				11/08/13 00:19	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: TMW-1P 102913

Lab Sample ID: 480-49003-9

Date Collected: 10/29/13 09:44

Matrix: Ground Water

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	190		2.0	1.6	ug/L			11/08/13 12:49	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/08/13 12:49	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/08/13 12:49	2
1,1-Dichloroethane	69		2.0	0.76	ug/L			11/08/13 12:49	2
1,1-Dichloroethene	31		2.0	0.58	ug/L			11/08/13 12:49	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/08/13 12:49	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/08/13 12:49	2
2-Hexanone	ND		10	2.5	ug/L			11/08/13 12:49	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/08/13 12:49	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/08/13 12:49	2
Acetone	15 J		20	6.0	ug/L			11/08/13 12:49	2
Benzene	ND		2.0	0.82	ug/L			11/08/13 12:49	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/08/13 12:49	2
Bromoform	ND		2.0	0.52	ug/L			11/08/13 12:49	2
Bromomethane	ND		2.0	1.4	ug/L			11/08/13 12:49	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/08/13 12:49	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/08/13 12:49	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/08/13 12:49	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/08/13 12:49	2
Chloroethane	ND		2.0	0.64	ug/L			11/08/13 12:49	2
Chloroform	2.0		2.0	0.68	ug/L			11/08/13 12:49	2
Chloromethane	ND		2.0	0.70	ug/L			11/08/13 12:49	2
cis-1,2-Dichloroethene	47		2.0	1.6	ug/L			11/08/13 12:49	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/08/13 12:49	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/08/13 12:49	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/08/13 12:49	2
Styrene	ND		2.0	1.5	ug/L			11/08/13 12:49	2
Tetrachloroethene	1.2 J		2.0	0.72	ug/L			11/08/13 12:49	2
Toluene	ND		2.0	1.0	ug/L			11/08/13 12:49	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/08/13 12:49	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/08/13 12:49	2
Vinyl chloride	19		2.0	1.8	ug/L			11/08/13 12:49	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/08/13 12:49	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/08/13 12:49	2
Toluene-d8 (Surr)	100			71 - 126				11/08/13 12:49	2
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 12:49	2

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	130		5.0	2.3	ug/L			11/07/13 12:58	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			66 - 137				11/07/13 12:58	5
Toluene-d8 (Surr)	100			71 - 126				11/07/13 12:58	5
4-Bromofluorobenzene (Surr)	97			73 - 120				11/07/13 12:58	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-13P 102913

Date Collected: 10/29/13 09:47

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-10

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 13:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 13:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 13:20	1
1,1-Dichloroethane	3.3		1.0	0.38	ug/L			11/07/13 13:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 13:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 13:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 13:20	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 13:20	1
2-Butanone (MEK)	3.7 J		10	1.3	ug/L			11/07/13 13:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 13:20	1
Acetone	240		10	3.0	ug/L			11/07/13 13:20	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 13:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 13:20	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 13:20	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 13:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 13:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 13:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 13:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 13:20	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 13:20	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 13:20	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 13:20	1
cis-1,2-Dichloroethene	0.91 J		1.0	0.81	ug/L			11/07/13 13:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 13:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 13:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 13:20	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 13:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 13:20	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 13:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 13:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 13:20	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 13:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/07/13 13:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 13:20	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 13:20	1
Toluene-d8 (Surr)	101			71 - 126				11/07/13 13:20	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/07/13 13:20	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-4P 102913

Date Collected: 10/29/13 10:02
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-11
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	45		2.0	1.6	ug/L		11/07/13 13:41		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		11/07/13 13:41		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		11/07/13 13:41		2
1,1-Dichloroethane	6.1		2.0	0.76	ug/L		11/07/13 13:41		2
1,1-Dichloroethene	1.6	J	2.0	0.58	ug/L		11/07/13 13:41		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		11/07/13 13:41		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		11/07/13 13:41		2
2-Hexanone	ND		10	2.5	ug/L		11/07/13 13:41		2
2-Butanone (MEK)	ND		20	2.6	ug/L		11/07/13 13:41		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		11/07/13 13:41		2
Acetone	12	J	20	6.0	ug/L		11/07/13 13:41		2
Benzene	ND		2.0	0.82	ug/L		11/07/13 13:41		2
Bromodichloromethane	ND		2.0	0.78	ug/L		11/07/13 13:41		2
Bromoform	ND		2.0	0.52	ug/L		11/07/13 13:41		2
Bromomethane	ND		2.0	1.4	ug/L		11/07/13 13:41		2
Carbon disulfide	ND		2.0	0.38	ug/L		11/07/13 13:41		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		11/07/13 13:41		2
Chlorobenzene	ND		2.0	1.5	ug/L		11/07/13 13:41		2
Dibromochloromethane	ND		2.0	0.64	ug/L		11/07/13 13:41		2
Chloroethane	ND		2.0	0.64	ug/L		11/07/13 13:41		2
Chloroform	1.3	J	2.0	0.68	ug/L		11/07/13 13:41		2
Chloromethane	ND		2.0	0.70	ug/L		11/07/13 13:41		2
cis-1,2-Dichloroethene	2.1		2.0	1.6	ug/L		11/07/13 13:41		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		11/07/13 13:41		2
Ethylbenzene	ND		2.0	1.5	ug/L		11/07/13 13:41		2
Methylene Chloride	ND		2.0	0.88	ug/L		11/07/13 13:41		2
Styrene	ND		2.0	1.5	ug/L		11/07/13 13:41		2
Tetrachloroethene	11		2.0	0.72	ug/L		11/07/13 13:41		2
Toluene	ND		2.0	1.0	ug/L		11/07/13 13:41		2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L		11/07/13 13:41		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		11/07/13 13:41		2
Trichloroethene	97		2.0	0.92	ug/L		11/07/13 13:41		2
Vinyl chloride	ND		2.0	1.8	ug/L		11/07/13 13:41		2
Xylenes, Total	ND		4.0	1.3	ug/L		11/07/13 13:41		2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			66 - 137			11/07/13 13:41		2
Toluene-d8 (Surr)	101			71 - 126			11/07/13 13:41		2
4-Bromofluorobenzene (Surr)	98			73 - 120			11/07/13 13:41		2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-4S 102913

Lab Sample ID: 480-49003-12

Matrix: Water

Date Collected: 10/29/13 10:16
 Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2		1.0	0.82	ug/L			11/07/13 14:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 14:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 14:03	1
1,1-Dichloroethane	5.0		1.0	0.38	ug/L			11/07/13 14:03	1
1,1-Dichloroethene	1.8		1.0	0.29	ug/L			11/07/13 14:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 14:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 14:03	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 14:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 14:03	1
Acetone	11		10	3.0	ug/L			11/07/13 14:03	1
Benzene	1.1		1.0	0.41	ug/L			11/07/13 14:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 14:03	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 14:03	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 14:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 14:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 14:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 14:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 14:03	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 14:03	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 14:03	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 14:03	1
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L			11/07/13 14:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 14:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 14:03	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 14:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 14:03	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 14:03	1
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L			11/07/13 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 14:03	1
Trichloroethene	15		1.0	0.46	ug/L			11/07/13 14:03	1
Vinyl chloride	3.9		1.0	0.90	ug/L			11/07/13 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 14:03	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 14:03	1
Toluene-d8 (Surr)	101			71 - 126				11/07/13 14:03	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/07/13 14:03	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: PMW-2D 102913

Lab Sample ID: 480-49003-13

Date Collected: 10/29/13 10:36

Matrix: Water

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 14:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 14:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 14:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 14:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 14:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 14:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 14:25	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 14:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 14:25	1
Acetone	12		10	3.0	ug/L			11/07/13 14:25	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 14:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 14:25	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 14:25	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 14:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 14:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 14:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 14:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 14:25	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 14:25	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 14:25	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 14:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 14:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 14:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 14:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 14:25	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 14:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 14:25	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 14:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 14:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 14:25	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 14:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/07/13 14:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 14:25	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 14:25	1
Toluene-d8 (Surr)	102			71 - 126				11/07/13 14:25	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/07/13 14:25	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-6S

Date Collected: 10/29/13 10:50
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-14

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 14:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 14:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 14:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 14:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 14:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 14:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 14:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 14:51	1
Acetone	10		10	3.0	ug/L			11/07/13 14:51	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 14:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 14:51	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 14:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 14:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 14:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 14:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 14:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 14:51	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 14:51	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 14:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 14:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 14:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 14:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 14:51	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 14:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 14:51	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 14:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 14:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 14:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 14:51	1
Vinyl chloride	0.92 J		1.0	0.90	ug/L			11/07/13 14:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 14:51	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/07/13 14:51	1
Toluene-d8 (Surr)	100			71 - 126				11/07/13 14:51	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/07/13 14:51	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-9S 102913

Lab Sample ID: 480-49003-15

Date Collected: 10/29/13 11:05
 Date Received: 10/30/13 09:00

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/07/13 15:13	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/07/13 15:13	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/07/13 15:13	2
1,1-Dichloroethane	1.5 J		2.0	0.76	ug/L			11/07/13 15:13	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/07/13 15:13	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/07/13 15:13	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/07/13 15:13	2
2-Hexanone	ND		10	2.5	ug/L			11/07/13 15:13	2
2-Butanone (MEK)	3.9 J		20	2.6	ug/L			11/07/13 15:13	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/07/13 15:13	2
Acetone	260		20	6.0	ug/L			11/07/13 15:13	2
Benzene	ND		2.0	0.82	ug/L			11/07/13 15:13	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/07/13 15:13	2
Bromoform	ND		2.0	0.52	ug/L			11/07/13 15:13	2
Bromomethane	ND		2.0	1.4	ug/L			11/07/13 15:13	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/07/13 15:13	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/07/13 15:13	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/07/13 15:13	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/07/13 15:13	2
Chloroethane	ND		2.0	0.64	ug/L			11/07/13 15:13	2
Chloroform	ND		2.0	0.68	ug/L			11/07/13 15:13	2
Chloromethane	ND		2.0	0.70	ug/L			11/07/13 15:13	2
cis-1,2-Dichloroethene	53		2.0	1.6	ug/L			11/07/13 15:13	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/07/13 15:13	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/07/13 15:13	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/07/13 15:13	2
Styrene	ND		2.0	1.5	ug/L			11/07/13 15:13	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/07/13 15:13	2
Toluene	ND		2.0	1.0	ug/L			11/07/13 15:13	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/07/13 15:13	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/07/13 15:13	2
Trichloroethene	ND		2.0	0.92	ug/L			11/07/13 15:13	2
Vinyl chloride	160		2.0	1.8	ug/L			11/07/13 15:13	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/07/13 15:13	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			66 - 137				11/07/13 15:13	2
Toluene-d8 (Surr)	102			71 - 126				11/07/13 15:13	2
4-Bromofluorobenzene (Surr)	99			73 - 120				11/07/13 15:13	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-9D 102913

Lab Sample ID: 480-49003-16

Matrix: Water

Date Collected: 10/29/13 11:15

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 15:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 15:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 15:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 15:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 15:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 15:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 15:34	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 15:34	1
2-Butanone (MEK)	3.8 J		10	1.3	ug/L			11/07/13 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 15:34	1
Acetone	250		10	3.0	ug/L			11/07/13 15:34	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 15:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 15:34	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 15:34	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 15:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 15:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 15:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 15:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 15:34	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 15:34	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 15:34	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 15:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 15:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 15:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 15:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 15:34	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 15:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 15:34	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 15:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 15:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 15:34	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 15:34	1
Vinyl chloride	14		1.0	0.90	ug/L			11/07/13 15:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 15:34	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/07/13 15:34	1
Toluene-d8 (Surr)	102			71 - 126				11/07/13 15:34	1
4-Bromofluorobenzene (Surr)	100			73 - 120				11/07/13 15:34	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-19S 102913

Date Collected: 10/29/13 11:26

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-17

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 15:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 15:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 15:56	1
1,1-Dichloroethane	0.41	J	1.0	0.38	ug/L			11/07/13 15:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 15:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 15:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 15:56	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 15:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 15:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 15:56	1
Acetone	9.4	J	10	3.0	ug/L			11/07/13 15:56	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 15:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 15:56	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 15:56	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 15:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 15:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 15:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 15:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 15:56	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 15:56	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 15:56	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 15:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 15:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 15:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 15:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 15:56	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 15:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 15:56	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 15:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 15:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 15:56	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 15:56	1
Vinyl chloride	16		1.0	0.90	ug/L			11/07/13 15:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 15:56	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/07/13 15:56	1
Toluene-d8 (Surr)	103			71 - 126				11/07/13 15:56	1
4-Bromofluorobenzene (Surr)	100			73 - 120				11/07/13 15:56	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-19D 102913

Lab Sample ID: 480-49003-18

Matrix: Water

Date Collected: 10/29/13 11:44

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 01:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 01:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 01:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 01:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 01:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 01:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 01:02	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 01:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 01:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 01:02	1
Acetone	9.2 J		10	3.0	ug/L			11/08/13 01:02	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 01:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 01:02	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 01:02	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 01:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 01:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 01:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 01:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 01:02	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 01:02	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 01:02	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 01:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 01:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 01:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 01:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 01:02	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 01:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 01:02	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 01:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 01:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 01:02	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 01:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 01:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 01:02	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	136			66 - 137				11/08/13 01:02	1
Toluene-d8 (Surr)	78			71 - 126				11/08/13 01:02	1
4-Bromofluorobenzene (Surr)	78			73 - 120				11/08/13 01:02	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-11S 102913

Date Collected: 10/29/13 12:14
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-19
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 01:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 01:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 01:23	1
1,1-Dichloroethane	0.78 J		1.0	0.38	ug/L			11/08/13 01:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 01:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 01:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 01:23	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 01:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 01:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 01:23	1
Acetone	8.1 J		10	3.0	ug/L			11/08/13 01:23	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 01:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 01:23	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 01:23	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 01:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 01:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 01:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 01:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 01:23	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 01:23	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 01:23	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 01:23	1
cis-1,2-Dichloroethene	3.7		1.0	0.81	ug/L			11/08/13 01:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 01:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 01:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 01:23	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 01:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 01:23	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 01:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 01:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 01:23	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 01:23	1
Vinyl chloride	50		1.0	0.90	ug/L			11/08/13 01:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 01:23	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/08/13 01:23	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 01:23	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/08/13 01:23	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-13P 102913

Date Collected: 10/29/13 12:15

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-20

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 17:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 17:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 17:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 17:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 17:02	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 17:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 17:02	1
Acetone	12		10	3.0	ug/L			11/07/13 17:02	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 17:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 17:02	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 17:02	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 17:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 17:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 17:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 17:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 17:02	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 17:02	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 17:02	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 17:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 17:02	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 17:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 17:02	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 17:02	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 17:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/07/13 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 17:02	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/07/13 17:02	1
Toluene-d8 (Surr)	102			71 - 126				11/07/13 17:02	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/07/13 17:02	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-11D 102913

Date Collected: 10/29/13 12:24

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-21

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 17:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 17:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 17:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 17:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 17:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 17:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 17:23	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 17:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 17:23	1
Acetone	12		10	3.0	ug/L			11/07/13 17:23	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 17:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 17:23	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 17:23	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 17:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 17:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 17:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 17:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 17:23	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 17:23	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 17:23	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 17:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 17:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 17:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 17:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 17:23	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 17:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 17:23	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 17:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 17:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 17:23	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 17:23	1
Vinyl chloride	3.4		1.0	0.90	ug/L			11/07/13 17:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 17:23	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/07/13 17:23	1
Toluene-d8 (Surr)	103			71 - 126				11/07/13 17:23	1
4-Bromofluorobenzene (Surr)	100			73 - 120				11/07/13 17:23	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-13S 102913

Date Collected: 10/29/13 12:25

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-22

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 17:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 17:44	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 17:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 17:44	1
Acetone	8.1 J		10	3.0	ug/L			11/07/13 17:44	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 17:44	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 17:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 17:44	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 17:44	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			11/07/13 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 17:44	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 17:44	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 17:44	1
Vinyl chloride	1.1		1.0	0.90	ug/L			11/07/13 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 17:44	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 17:44	1
Toluene-d8 (Surr)	100			71 - 126				11/07/13 17:44	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/07/13 17:44	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: ADW-100 102913

Date Collected: 10/29/13 00:00
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-23

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 18:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 18:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 18:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 18:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 18:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 18:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 18:06	1
Acetone	9.1 J		10	3.0	ug/L			11/07/13 18:06	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 18:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 18:06	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 18:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 18:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 18:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 18:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 18:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 18:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 18:06	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 18:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 18:06	1
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L			11/07/13 18:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 18:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 18:06	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 18:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 18:06	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 18:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 18:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 18:06	1
Vinyl chloride	3.1		1.0	0.90	ug/L			11/07/13 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 18:06	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/07/13 18:06	1
Toluene-d8 (Surr)	100			71 - 126				11/07/13 18:06	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/07/13 18:06	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: PMW-4D 102913

Lab Sample ID: 480-49003-24

Matrix: Water

Date Collected: 10/29/13 12:47

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 18:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 18:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 18:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 18:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 18:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 18:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 18:27	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 18:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 18:27	1
Acetone	8.7 J		10	3.0	ug/L			11/07/13 18:27	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 18:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/07/13 18:27	1
Bromoform	ND		1.0	0.26	ug/L			11/07/13 18:27	1
Bromomethane	ND		1.0	0.69	ug/L			11/07/13 18:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/07/13 18:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/07/13 18:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/07/13 18:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/07/13 18:27	1
Chloroethane	ND		1.0	0.32	ug/L			11/07/13 18:27	1
Chloroform	ND		1.0	0.34	ug/L			11/07/13 18:27	1
Chloromethane	ND		1.0	0.35	ug/L			11/07/13 18:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/07/13 18:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/07/13 18:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/07/13 18:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/07/13 18:27	1
Styrene	ND		1.0	0.73	ug/L			11/07/13 18:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/07/13 18:27	1
Toluene	ND		1.0	0.51	ug/L			11/07/13 18:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/07/13 18:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/07/13 18:27	1
Trichloroethene	ND		1.0	0.46	ug/L			11/07/13 18:27	1
Vinyl chloride	4.2		1.0	0.90	ug/L			11/07/13 18:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/07/13 18:27	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/07/13 18:27	1
Toluene-d8 (Surr)	101			71 - 126				11/07/13 18:27	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/07/13 18:27	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-11P 102913

Date Collected: 10/29/13 14:33

Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-25

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 01:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 01:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 01:45	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			11/08/13 01:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 01:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 01:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 01:45	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 01:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 01:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 01:45	1
Acetone	8.7 J		10	3.0	ug/L			11/08/13 01:45	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 01:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 01:45	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 01:45	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 01:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 01:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 01:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 01:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 01:45	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 01:45	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 01:45	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 01:45	1
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L			11/08/13 01:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 01:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 01:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 01:45	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 01:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 01:45	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 01:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 01:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 01:45	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 01:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 01:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 01:45	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/08/13 01:45	1
Toluene-d8 (Surr)	101			71 - 126				11/08/13 01:45	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 01:45	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-11S 102913

Lab Sample ID: 480-49003-26

Matrix: Water

Date Collected: 10/29/13 14:42

Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/08/13 02:06	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/08/13 02:06	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/08/13 02:06	4
1,1-Dichloroethane	26		4.0	1.5	ug/L			11/08/13 02:06	4
1,1-Dichloroethene	2.3 J		4.0	1.2	ug/L			11/08/13 02:06	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/08/13 02:06	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/08/13 02:06	4
2-Hexanone	ND		20	5.0	ug/L			11/08/13 02:06	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/08/13 02:06	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/08/13 02:06	4
Acetone	ND		40	12	ug/L			11/08/13 02:06	4
Benzene	ND		4.0	1.6	ug/L			11/08/13 02:06	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/08/13 02:06	4
Bromoform	ND		4.0	1.0	ug/L			11/08/13 02:06	4
Bromomethane	ND		4.0	2.8	ug/L			11/08/13 02:06	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/08/13 02:06	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/08/13 02:06	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/08/13 02:06	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/08/13 02:06	4
Chloroethane	ND		4.0	1.3	ug/L			11/08/13 02:06	4
Chloroform	ND		4.0	1.4	ug/L			11/08/13 02:06	4
Chloromethane	ND		4.0	1.4	ug/L			11/08/13 02:06	4
cis-1,2-Dichloroethene	220		4.0	3.2	ug/L			11/08/13 02:06	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/08/13 02:06	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/08/13 02:06	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/08/13 02:06	4
Styrene	ND		4.0	2.9	ug/L			11/08/13 02:06	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/08/13 02:06	4
Toluene	ND		4.0	2.0	ug/L			11/08/13 02:06	4
trans-1,2-Dichloroethene	4.7		4.0	3.6	ug/L			11/08/13 02:06	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/08/13 02:06	4
Trichloroethene	32		4.0	1.8	ug/L			11/08/13 02:06	4
Vinyl chloride	3.6 J		4.0	3.6	ug/L			11/08/13 02:06	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/08/13 02:06	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		11/08/13 02:06	4
Toluene-d8 (Surr)	102		71 - 126		11/08/13 02:06	4
4-Bromofluorobenzene (Surr)	99		73 - 120		11/08/13 02:06	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: OSMW-11D 102913

Lab Sample ID: 480-49003-27

Matrix: Water

Date Collected: 10/29/13 14:50
 Date Received: 10/30/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/08/13 02:28	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/08/13 02:28	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/08/13 02:28	4
1,1-Dichloroethane	27		4.0	1.5	ug/L			11/08/13 02:28	4
1,1-Dichloroethene	2.3 J		4.0	1.2	ug/L			11/08/13 02:28	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/08/13 02:28	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/08/13 02:28	4
2-Hexanone	ND		20	5.0	ug/L			11/08/13 02:28	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/08/13 02:28	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/08/13 02:28	4
Acetone	ND		40	12	ug/L			11/08/13 02:28	4
Benzene	ND		4.0	1.6	ug/L			11/08/13 02:28	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/08/13 02:28	4
Bromoform	ND		4.0	1.0	ug/L			11/08/13 02:28	4
Bromomethane	ND		4.0	2.8	ug/L			11/08/13 02:28	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/08/13 02:28	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/08/13 02:28	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/08/13 02:28	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/08/13 02:28	4
Chloroethane	ND		4.0	1.3	ug/L			11/08/13 02:28	4
Chloroform	ND		4.0	1.4	ug/L			11/08/13 02:28	4
Chloromethane	ND		4.0	1.4	ug/L			11/08/13 02:28	4
cis-1,2-Dichloroethene	210		4.0	3.2	ug/L			11/08/13 02:28	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/08/13 02:28	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/08/13 02:28	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/08/13 02:28	4
Styrene	ND		4.0	2.9	ug/L			11/08/13 02:28	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/08/13 02:28	4
Toluene	ND		4.0	2.0	ug/L			11/08/13 02:28	4
trans-1,2-Dichloroethene	4.7		4.0	3.6	ug/L			11/08/13 02:28	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/08/13 02:28	4
Trichloroethene	24		4.0	1.8	ug/L			11/08/13 02:28	4
Vinyl chloride	4.4		4.0	3.6	ug/L			11/08/13 02:28	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/08/13 02:28	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/08/13 02:28	4
Toluene-d8 (Surr)	101			71 - 126				11/08/13 02:28	4
4-Bromofluorobenzene (Surr)	99			73 - 120				11/08/13 02:28	4

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-49003-7	OSMW-12P 102913	103	103	99
480-49003-8	OSMW-10P 102913	104	100	98
480-49003-8 - DL	OSMW-10P 102913	105	101	99
480-49003-9 - DL	TMW-1P 102913	102	100	97
480-49003-9	TMW-1P 102913	104	100	98
480-49003-10	OSMW-13P 102913	103	101	98
480-49003-11	AF-4P 102913	101	101	98
480-49003-14	AF-6S	105	100	98
480-49003-15	OSMW-9S 102913	102	102	99
480-49003-17	AF-19S 102913	105	103	100
480-49003-19	AF-11S 102913	104	100	99
480-49003-20	AF-13P 102913	107	102	99
480-49003-21	AF-11D 102913	104	103	100
480-49003-21 MS	AF-11D 102913 MS	102	97	100
480-49003-21 MSD	AF-11D 102913 MSD	101	97	98
480-49003-22	AF-13S 102913	103	100	96
480-49003-23	ADW-100 102913	103	100	97
480-49003-25	OSMW-11P 102913	104	101	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-49003-5	Trip Blank 102913	102	101	99
480-49003-6	PMW-3P 102913	103	101	98
480-49003-12	AF-4S 102913	103	101	98
480-49003-13	PMW-2D 102913	103	102	99
480-49003-16	OSMW-9D 102913	104	102	100
480-49003-18	AF-19D 102913	136	78	78
480-49003-24	PMW-4D 102913	105	101	98
480-49003-26	OSMW-11S 102913	103	102	99
480-49003-27	OSMW-11D 102913	104	101	99
LCS 480-150351/5	Lab Control Sample	104	100	101
LCS 480-150555/4	Lab Control Sample	105	99	100
LCS 480-150653/5	Lab Control Sample	104	100	102
MB 480-150351/7	Method Blank	102	101	98
MB 480-150555/6	Method Blank	96	93	89
MB 480-150653/7	Method Blank	103	99	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-150351/7

Matrix: Water

Analysis Batch: 150351

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		11/07/13 10:59	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		11/07/13 10:59	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		11/07/13 10:59	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		11/07/13 10:59	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		11/07/13 10:59	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		11/07/13 10:59	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		11/07/13 10:59	1
2-Hexanone	ND		1	5.0	1.2	ug/L		11/07/13 10:59	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		11/07/13 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		11/07/13 10:59	1
Acetone	ND		1	10	3.0	ug/L		11/07/13 10:59	1
Benzene	ND		1	1.0	0.41	ug/L		11/07/13 10:59	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		11/07/13 10:59	1
Bromoform	ND		1	1.0	0.26	ug/L		11/07/13 10:59	1
Bromomethane	ND		1	1.0	0.69	ug/L		11/07/13 10:59	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		11/07/13 10:59	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		11/07/13 10:59	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		11/07/13 10:59	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		11/07/13 10:59	1
Chloroethane	ND		1	1.0	0.32	ug/L		11/07/13 10:59	1
Chloroform	ND		1	1.0	0.34	ug/L		11/07/13 10:59	1
Chloromethane	ND		1	1.0	0.35	ug/L		11/07/13 10:59	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		11/07/13 10:59	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		11/07/13 10:59	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		11/07/13 10:59	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		11/07/13 10:59	1
Styrene	ND		1	1.0	0.73	ug/L		11/07/13 10:59	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		11/07/13 10:59	1
Toluene	ND		1	1.0	0.51	ug/L		11/07/13 10:59	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		11/07/13 10:59	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		11/07/13 10:59	1
Trichloroethene	ND		1	1.0	0.46	ug/L		11/07/13 10:59	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		11/07/13 10:59	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		11/07/13 10:59	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	102		1	66 - 137		11/07/13 10:59	
Toluene-d8 (Surr)	101		1	71 - 126		11/07/13 10:59	
4-Bromofluorobenzene (Surr)	98		1	73 - 120		11/07/13 10:59	

Lab Sample ID: LCS 480-150351/5

Matrix: Water

Analysis Batch: 150351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS			%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	25.0	26.6		ug/L	106	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L	98	70 - 126	
1,1,2-Trichloroethane	25.0	24.4		ug/L	97	76 - 122	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150351/5

Matrix: Water

Analysis Batch: 150351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier					
1,1-Dichloroethane	25.0	25.4		ug/L		102	71 - 129	
1,1-Dichloroethene	25.0	25.2		ug/L		101	58 - 121	
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 127	
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120	
2-Hexanone	125	125		ug/L		100	65 - 127	
2-Butanone (MEK)	125	123		ug/L		98	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125	
Acetone	125	113		ug/L		91	56 - 142	
Benzene	25.0	24.6		ug/L		98	71 - 124	
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122	
Bromoform	25.0	18.6		ug/L		74	66 - 128	
Bromomethane	25.0	22.8		ug/L		91	55 - 144	
Carbon disulfide	25.0	22.2		ug/L		89	59 - 134	
Carbon tetrachloride	25.0	26.5		ug/L		106	72 - 134	
Chlorobenzene	25.0	23.3		ug/L		93	72 - 120	
Dibromochloromethane	25.0	21.4		ug/L		86	75 - 125	
Chloroethane	25.0	22.7		ug/L		91	69 - 136	
Chloroform	25.0	24.4		ug/L		97	73 - 127	
Chloromethane	25.0	23.9		ug/L		95	68 - 124	
cis-1,2-Dichloroethane	25.0	25.1		ug/L		100	74 - 124	
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124	
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123	
Methylene Chloride	25.0	24.5		ug/L		98	57 - 132	
Styrene	25.0	25.4		ug/L		102	70 - 130	
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122	
Toluene	25.0	23.5		ug/L		94	80 - 122	
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127	
trans-1,3-Dichloropropene	25.0	23.2		ug/L		93	72 - 123	
Trichloroethene	25.0	25.8		ug/L		103	74 - 123	
Vinyl chloride	25.0	23.6		ug/L		94	65 - 133	
Xylenes, Total	75.0	71.4		ug/L		95	76 - 122	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	100		71 - 126
4-Bromofluorobenzene (Surr)	101		73 - 120

Lab Sample ID: 480-49003-21 MS

Matrix: Ground Water

Analysis Batch: 150351

Client Sample ID: AF-11D 102913 MS

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	33.3	F	ug/L		133	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.5		ug/L		110	70 - 126
1,1,2-Trichloroethane	ND		25.0	27.9		ug/L		111	76 - 122
1,1-Dichloroethane	ND		25.0	30.7		ug/L		123	71 - 129
1,1-Dichloroethene	ND		25.0	31.5	F	ug/L		126	58 - 121
1,2-Dichloroethane	ND		25.0	28.6		ug/L		114	75 - 127

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49003-21 MS

Matrix: Ground Water

Analysis Batch: 150351

Client Sample ID: AF-11D 102913 MS
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,2-Dichloropropane	ND		25.0	28.4		ug/L		114	76 - 120
2-Hexanone	ND		125	122		ug/L		98	65 - 127
2-Butanone (MEK)	ND		125	122		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	120		ug/L		96	71 - 125
Acetone	12		125	121		ug/L		87	56 - 142
Benzene	ND		25.0	28.8		ug/L		115	71 - 124
Bromodichloromethane	ND		25.0	30.1		ug/L		120	80 - 122
Bromoform	ND		25.0	21.6		ug/L		86	66 - 128
Bromomethane	ND		25.0	26.2		ug/L		105	55 - 144
Carbon disulfide	ND		25.0	19.9		ug/L		80	59 - 134
Carbon tetrachloride	ND		25.0	32.8		ug/L		131	72 - 134
Chlorobenzene	ND		25.0	27.3		ug/L		109	72 - 120
Dibromochloromethane	ND		25.0	24.7		ug/L		99	75 - 125
Chloroethane	ND		25.0	29.2		ug/L		117	69 - 136
Chloroform	ND		25.0	29.1		ug/L		117	73 - 127
Chloromethane	ND		25.0	28.1		ug/L		112	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.7		ug/L		123	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123
Methylene Chloride	ND		25.0	29.0		ug/L		116	57 - 132
Styrene	ND		25.0	28.9		ug/L		116	70 - 130
Tetrachloroethene	ND		25.0	28.3		ug/L		113	74 - 122
Toluene	ND		25.0	27.8		ug/L		111	80 - 122
trans-1,2-Dichloroethene	ND		25.0	30.7		ug/L		123	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.2		ug/L		101	72 - 123
Trichloroethene	ND		25.0	30.3		ug/L		121	74 - 123
Vinyl chloride	3.4		25.0	34.0		ug/L		123	65 - 133
Xylenes, Total	ND		75.0	83.0		ug/L		111	76 - 122

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: 480-49003-21 MSD

Matrix: Ground Water

Analysis Batch: 150351

Client Sample ID: AF-11D 102913 MSD
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	31.7	F	ug/L		127	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.2		ug/L		105	70 - 126	5	15
1,1,2-Trichloroethane	ND		25.0	26.6		ug/L		106	76 - 122	5	15
1,1-Dichloroethane	ND		25.0	29.2		ug/L		117	71 - 129	5	20
1,1-Dichloroethene	ND		25.0	29.2		ug/L		117	58 - 121	8	16
1,2-Dichloroethane	ND		25.0	26.8		ug/L		107	75 - 127	6	20
1,2-Dichloropropane	ND		25.0	27.5		ug/L		110	76 - 120	3	20
2-Hexanone	ND		125	135		ug/L		108	65 - 127	10	15
2-Butanone (MEK)	ND		125	133		ug/L		106	57 - 140	8	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49003-21 MSD

Matrix: Ground Water

Analysis Batch: 150351

Client Sample ID: AF-11D 102913 MSD
 Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125	10	35
Acetone	12		125	135		ug/L		98	56 - 142	11	15
Benzene	ND		25.0	27.6		ug/L		110	71 - 124	4	13
Bromodichloromethane	ND		25.0	28.6		ug/L		114	80 - 122	5	15
Bromoform	ND		25.0	21.8		ug/L		87	66 - 128	1	15
Bromomethane	ND		25.0	24.7		ug/L		99	55 - 144	6	15
Carbon disulfide	ND		25.0	21.2		ug/L		85	59 - 134	6	15
Carbon tetrachloride	ND		25.0	31.8		ug/L		127	72 - 134	3	15
Chlorobenzene	ND		25.0	26.0		ug/L		104	72 - 120	5	25
Dibromochloromethane	ND		25.0	23.9		ug/L		96	75 - 125	3	15
Chloroethane	ND		25.0	26.7		ug/L		107	69 - 136	9	15
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127	6	20
Chloromethane	ND		25.0	27.0		ug/L		108	68 - 124	4	15
cis-1,2-Dichloroethene	ND		25.0	29.1		ug/L		116	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	25.6		ug/L		103	74 - 124	4	15
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123	5	15
Methylene Chloride	ND		25.0	27.0		ug/L		108	57 - 132	7	15
Styrene	ND		25.0	27.4		ug/L		109	70 - 130	5	20
Tetrachloroethene	ND		25.0	26.9		ug/L		107	74 - 122	5	20
Toluene	ND		25.0	26.5		ug/L		106	80 - 122	5	15
trans-1,2-Dichloroethene	ND		25.0	28.9		ug/L		116	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	24.6		ug/L		98	72 - 123	3	15
Trichloroethene	ND		25.0	29.2		ug/L		117	74 - 123	4	16
Vinyl chloride	3.4		25.0	31.9		ug/L		114	65 - 133	6	15
Xylenes, Total	ND		75.0	79.6		ug/L		106	76 - 122	4	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120

Lab Sample ID: MB 480-150555/6

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/07/13 23:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/07/13 23:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/07/13 23:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/07/13 23:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/07/13 23:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/07/13 23:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/07/13 23:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/07/13 23:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/07/13 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/07/13 23:24	1
Acetone	ND		10	3.0	ug/L			11/07/13 23:24	1
Benzene	ND		1.0	0.41	ug/L			11/07/13 23:24	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-150555/6

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ND	ND									
Bromodichloromethane	ND	ND			1.0	0.39	ug/L			11/07/13 23:24	1
Bromoform	ND	ND			1.0	0.26	ug/L			11/07/13 23:24	1
Bromomethane	ND	ND			1.0	0.69	ug/L			11/07/13 23:24	1
Carbon disulfide	ND	ND			1.0	0.19	ug/L			11/07/13 23:24	1
Carbon tetrachloride	ND	ND			1.0	0.27	ug/L			11/07/13 23:24	1
Chlorobenzene	ND	ND			1.0	0.75	ug/L			11/07/13 23:24	1
Dibromochloromethane	ND	ND			1.0	0.32	ug/L			11/07/13 23:24	1
Chloroethane	ND	ND			1.0	0.32	ug/L			11/07/13 23:24	1
Chloroform	ND	ND			1.0	0.34	ug/L			11/07/13 23:24	1
Chloromethane	ND	ND			1.0	0.35	ug/L			11/07/13 23:24	1
cis-1,2-Dichloroethene	ND	ND			1.0	0.81	ug/L			11/07/13 23:24	1
cis-1,3-Dichloropropene	ND	ND			1.0	0.36	ug/L			11/07/13 23:24	1
Ethylbenzene	ND	ND			1.0	0.74	ug/L			11/07/13 23:24	1
Methylene Chloride	ND	ND			1.0	0.44	ug/L			11/07/13 23:24	1
Styrene	ND	ND			1.0	0.73	ug/L			11/07/13 23:24	1
Tetrachloroethene	ND	ND			1.0	0.36	ug/L			11/07/13 23:24	1
Toluene	ND	ND			1.0	0.51	ug/L			11/07/13 23:24	1
trans-1,2-Dichloroethene	ND	ND			1.0	0.90	ug/L			11/07/13 23:24	1
trans-1,3-Dichloropropene	ND	ND			1.0	0.37	ug/L			11/07/13 23:24	1
Trichloroethene	ND	ND			1.0	0.46	ug/L			11/07/13 23:24	1
Vinyl chloride	ND	ND			1.0	0.90	ug/L			11/07/13 23:24	1
Xylenes, Total	ND	ND			2.0	0.66	ug/L			11/07/13 23:24	1

MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	96	66 - 137						
1,2-Dichloroethane-d4 (Surr)	93	71 - 126					11/07/13 23:24	1
Toluene-d8 (Surr)	89	73 - 120					11/07/13 23:24	1

Lab Sample ID: LCS 480-150555/4

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits
	Added	Result	Qualifier						
1,1,1-Trichloroethane	25.0	27.6				ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.1				ug/L		104	70 - 126
1,1,2-Trichloroethane	25.0	25.5				ug/L		102	76 - 122
1,1-Dichloroethane	25.0	26.4				ug/L		106	71 - 129
1,1-Dichloroethene	25.0	27.2				ug/L		109	58 - 121
1,2-Dichloroethane	25.0	25.8				ug/L		103	75 - 127
1,2-Dichloropropane	25.0	26.0				ug/L		104	76 - 120
2-Hexanone	125	133				ug/L		106	65 - 127
2-Butanone (MEK)	125	134				ug/L		107	57 - 140
4-Methyl-2-pentanone (MIBK)	125	130				ug/L		104	71 - 125
Acetone	125	124				ug/L		100	56 - 142
Benzene	25.0	25.5				ug/L		102	71 - 124
Bromodichloromethane	25.0	26.8				ug/L		107	80 - 122
Bromoform	25.0	18.7				ug/L		75	66 - 128
Bromomethane	25.0	23.2				ug/L		93	55 - 144

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150555/4

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Carbon disulfide	25.0	28.0		ug/L		112	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		111	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	72 - 120
Dibromochloromethane	25.0	22.1		ug/L		88	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	26.1		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Methylene Chloride	25.0	25.5		ug/L		102	57 - 132
Styrene	25.0	26.5		ug/L		106	70 - 130
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	72 - 123
Trichloroethene	25.0	27.2		ug/L		109	74 - 123
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
Xylenes, Total	75.0	74.6		ug/L		99	76 - 122

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: MB 480-150653/7

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 11:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 11:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 11:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 11:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 11:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 11:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 11:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 11:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 11:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 11:24	1
Acetone	ND		10	3.0	ug/L			11/08/13 11:24	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 11:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 11:24	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 11:24	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 11:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 11:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 11:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 11:24	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-150653/7

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ND	ND									
Dibromochloromethane			ND		1.0	0.32	ug/L			11/08/13 11:24	1
Chloroethane			ND		1.0	0.32	ug/L			11/08/13 11:24	1
Chloroform			ND		1.0	0.34	ug/L			11/08/13 11:24	1
Chloromethane			ND		1.0	0.35	ug/L			11/08/13 11:24	1
cis-1,2-Dichloroethene			ND		1.0	0.81	ug/L			11/08/13 11:24	1
cis-1,3-Dichloropropene			ND		1.0	0.36	ug/L			11/08/13 11:24	1
Ethylbenzene			ND		1.0	0.74	ug/L			11/08/13 11:24	1
Methylene Chloride			ND		1.0	0.44	ug/L			11/08/13 11:24	1
Styrene			ND		1.0	0.73	ug/L			11/08/13 11:24	1
Tetrachloroethene			ND		1.0	0.36	ug/L			11/08/13 11:24	1
Toluene			ND		1.0	0.51	ug/L			11/08/13 11:24	1
trans-1,2-Dichloroethene			ND		1.0	0.90	ug/L			11/08/13 11:24	1
trans-1,3-Dichloropropene			ND		1.0	0.37	ug/L			11/08/13 11:24	1
Trichloroethene			ND		1.0	0.46	ug/L			11/08/13 11:24	1
Vinyl chloride			ND		1.0	0.90	ug/L			11/08/13 11:24	1
Xylenes, Total			ND		2.0	0.66	ug/L			11/08/13 11:24	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	ND	ND						
1,2-Dichloroethane-d4 (Surr)			103		66 - 137			1
Toluene-d8 (Surr)			99		71 - 126			1
4-Bromofluorobenzene (Surr)			95		73 - 120			1

Lab Sample ID: LCS 480-150653/5

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS			Unit	D	%Rec	Limits	%Rec.
		Added	Result	Qualifier					
1,1,1-Trichloroethane		25.0	25.3		ug/L		101	73 - 126	
1,1,2,2-Tetrachloroethane		25.0	22.6		ug/L		90	70 - 126	
1,1,2-Trichloroethane		25.0	22.9		ug/L		92	76 - 122	
1,1-Dichloroethane		25.0	23.8		ug/L		95	71 - 129	
1,1-Dichloroethene		25.0	22.9		ug/L		92	58 - 121	
1,2-Dichloroethane		25.0	23.8		ug/L		95	75 - 127	
1,2-Dichloropropane		25.0	23.7		ug/L		95	76 - 120	
2-Hexanone		125	122		ug/L		97	65 - 127	
2-Butanone (MEK)		125	121		ug/L		97	57 - 140	
4-Methyl-2-pentanone (MIBK)		125	119		ug/L		95	71 - 125	
Acetone		125	114		ug/L		91	56 - 142	
Benzene		25.0	22.8		ug/L		91	71 - 124	
Bromodichloromethane		25.0	24.6		ug/L		98	80 - 122	
Bromoform		25.0	17.8		ug/L		71	66 - 128	
Bromomethane		25.0	20.3		ug/L		81	55 - 144	
Carbon disulfide		25.0	23.9		ug/L		96	59 - 134	
Carbon tetrachloride		25.0	24.3		ug/L		97	72 - 134	
Chlorobenzene		25.0	21.8		ug/L		87	72 - 120	
Dibromochloromethane		25.0	20.9		ug/L		83	75 - 125	
Chloroethane		25.0	20.1		ug/L		80	69 - 136	
Chloroform		25.0	23.5		ug/L		94	73 - 127	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150653/5

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier	Limits				
Chloromethane	25.0	21.6		ug/L		86	68 - 124	
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124	
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	74 - 124	
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123	
Methylene Chloride	25.0	23.6		ug/L		94	57 - 132	
Styrene	25.0	23.5		ug/L		94	70 - 130	
Tetrachloroethene	25.0	22.1		ug/L		88	74 - 122	
Toluene	25.0	22.0		ug/L		88	80 - 122	
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127	
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	72 - 123	
Trichloroethene	25.0	24.2		ug/L		97	74 - 123	
Vinyl chloride	25.0	20.3		ug/L		81	65 - 133	
Xylenes, Total	75.0	66.6		ug/L		89	76 - 122	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	100		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

GC/MS VOA

Analysis Batch: 150351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49003-5	Trip Blank 102913	Total/NA	Water	8260C	1
480-49003-7	OSMW-12P 102913	Total/NA	Ground Water	8260C	2
480-49003-8	OSMW-10P 102913	Total/NA	Ground Water	8260C	3
480-49003-9 - DL	TMW-1P 102913	Total/NA	Ground Water	8260C	4
480-49003-10	OSMW-13P 102913	Total/NA	Ground Water	8260C	5
480-49003-11	AF-4P 102913	Total/NA	Ground Water	8260C	6
480-49003-12	AF-4S 102913	Total/NA	Water	8260C	7
480-49003-13	PMW-2D 102913	Total/NA	Water	8260C	8
480-49003-14	AF-6S	Total/NA	Ground Water	8260C	9
480-49003-15	OSMW-9S 102913	Total/NA	Ground Water	8260C	10
480-49003-16	OSMW-9D 102913	Total/NA	Water	8260C	11
480-49003-17	AF-19S 102913	Total/NA	Ground Water	8260C	12
480-49003-20	AF-13P 102913	Total/NA	Ground Water	8260C	13
480-49003-21	AF-11D 102913	Total/NA	Ground Water	8260C	14
480-49003-21 MS	AF-11D 102913 MS	Total/NA	Ground Water	8260C	15
480-49003-21 MSD	AF-11D 102913 MSD	Total/NA	Ground Water	8260C	
480-49003-22	AF-13S 102913	Total/NA	Ground Water	8260C	
480-49003-23	ADW-100 102913	Total/NA	Ground Water	8260C	
480-49003-24	PMW-4D 102913	Total/NA	Water	8260C	
LCS 480-150351/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-150351/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 150555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49003-6	PMW-3P 102913	Total/NA	Water	8260C	1
480-49003-8 - DL	OSMW-10P 102913	Total/NA	Ground Water	8260C	2
480-49003-18	AF-19D 102913	Total/NA	Water	8260C	3
480-49003-19	AF-11S 102913	Total/NA	Ground Water	8260C	4
480-49003-25	OSMW-11P 102913	Total/NA	Ground Water	8260C	5
480-49003-26	OSMW-11S 102913	Total/NA	Water	8260C	6
480-49003-27	OSMW-11D 102913	Total/NA	Water	8260C	7
LCS 480-150555/4	Lab Control Sample	Total/NA	Water	8260C	8
MB 480-150555/6	Method Blank	Total/NA	Water	8260C	9

Analysis Batch: 150653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49003-9	TMW-1P 102913	Total/NA	Ground Water	8260C	1
LCS 480-150653/5	Lab Control Sample	Total/NA	Water	8260C	2
MB 480-150653/7	Method Blank	Total/NA	Water	8260C	3

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: Trip Blank 102913

Lab Sample ID: 480-49003-5

Matrix: Water

Date Collected: 10/29/13 00:00
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 11:31	NMD1	TAL BUF

Client Sample ID: PMW-3P 102913

Lab Sample ID: 480-49003-6

Matrix: Water

Date Collected: 10/29/13 09:14
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	150555	11/07/13 23:57	NQN	TAL BUF

Client Sample ID: OSMW-12P 102913

Lab Sample ID: 480-49003-7

Matrix: Ground Water

Date Collected: 10/29/13 09:27
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 12:15	NMD1	TAL BUF

Client Sample ID: OSMW-10P 102913

Lab Sample ID: 480-49003-8

Matrix: Ground Water

Date Collected: 10/29/13 09:32
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 12:36	NMD1	TAL BUF
Total/NA	Analysis	8260C	DL	2	150555	11/08/13 00:19	NQN	TAL BUF

Client Sample ID: TMW-1P 102913

Lab Sample ID: 480-49003-9

Matrix: Ground Water

Date Collected: 10/29/13 09:44
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	5	150351	11/07/13 12:58	NMD1	TAL BUF
Total/NA	Analysis	8260C		2	150653	11/08/13 12:49	NMD1	TAL BUF

Client Sample ID: OSMW-13P 102913

Lab Sample ID: 480-49003-10

Matrix: Ground Water

Date Collected: 10/29/13 09:47
 Date Received: 10/30/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 13:20	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-4P 102913

Date Collected: 10/29/13 10:02
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	150351	11/07/13 13:41	NMD1	TAL BUF

Client Sample ID: AF-4S 102913

Date Collected: 10/29/13 10:16
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 14:03	NMD1	TAL BUF

Client Sample ID: PMW-2D 102913

Date Collected: 10/29/13 10:36
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 14:25	NMD1	TAL BUF

Client Sample ID: AF-6S

Date Collected: 10/29/13 10:50
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 14:51	NMD1	TAL BUF

Client Sample ID: OSMW-9S 102913

Date Collected: 10/29/13 11:05
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-15

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	150351	11/07/13 15:13	NMD1	TAL BUF

Client Sample ID: OSMW-9D 102913

Date Collected: 10/29/13 11:15
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 15:34	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Client Sample ID: AF-19S 102913

Date Collected: 10/29/13 11:26
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-17

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 15:56	NMD1	TAL BUF

Client Sample ID: AF-19D 102913

Date Collected: 10/29/13 11:44
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 01:02	NQN	TAL BUF

Client Sample ID: AF-11S 102913

Date Collected: 10/29/13 12:14
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-19

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 01:23	NQN	TAL BUF

Client Sample ID: AF-13P 102913

Date Collected: 10/29/13 12:15
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-20

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 17:02	NMD1	TAL BUF

Client Sample ID: AF-11D 102913

Date Collected: 10/29/13 12:24
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-21

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 17:23	NMD1	TAL BUF

Client Sample ID: AF-13S 102913

Date Collected: 10/29/13 12:25
 Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-22

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 17:44	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Client Sample ID: ADW-100 102913

Date Collected: 10/29/13 00:00
Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-23

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 18:06	NMD1	TAL BUF

Client Sample ID: PMW-4D 102913

Date Collected: 10/29/13 12:47
Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150351	11/07/13 18:27	NMD1	TAL BUF

Client Sample ID: OSMW-11P 102913

Date Collected: 10/29/13 14:33
Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-25

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 01:45	NQN	TAL BUF

Client Sample ID: OSMW-11S 102913

Date Collected: 10/29/13 14:42
Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	150555	11/08/13 02:06	NQN	TAL BUF

Client Sample ID: OSMW-11D 102913

Date Collected: 10/29/13 14:50
Date Received: 10/30/13 09:00

Lab Sample ID: 480-49003-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	150555	11/08/13 02:28	NQN	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

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Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
SDG: 480-49003

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM Project

TestAmerica Job ID: 480-49003-1
 SDG: 480-49003

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-49003-5	Trip Blank 102913	Water	10/29/13 00:00	10/30/13 09:00
480-49003-6	PMW-3P 102913	Water	10/29/13 09:14	10/30/13 09:00
480-49003-7	OSMW-12P 102913	Ground Water	10/29/13 09:27	10/30/13 09:00
480-49003-8	OSMW-10P 102913	Ground Water	10/29/13 09:32	10/30/13 09:00
480-49003-9	TMW-1P 102913	Ground Water	10/29/13 09:44	10/30/13 09:00
480-49003-10	OSMW-13P 102913	Ground Water	10/29/13 09:47	10/30/13 09:00
480-49003-11	AF-4P 102913	Ground Water	10/29/13 10:02	10/30/13 09:00
480-49003-12	AF-4S 102913	Water	10/29/13 10:16	10/30/13 09:00
480-49003-13	PMW-2D 102913	Water	10/29/13 10:36	10/30/13 09:00
480-49003-14	AF-6S	Ground Water	10/29/13 10:50	10/30/13 09:00
480-49003-15	OSMW-9S 102913	Ground Water	10/29/13 11:05	10/30/13 09:00
480-49003-16	OSMW-9D 102913	Water	10/29/13 11:15	10/30/13 09:00
480-49003-17	AF-19S 102913	Ground Water	10/29/13 11:26	10/30/13 09:00
480-49003-18	AF-19D 102913	Water	10/29/13 11:44	10/30/13 09:00
480-49003-19	AF-11S 102913	Ground Water	10/29/13 12:14	10/30/13 09:00
480-49003-20	AF-13P 102913	Ground Water	10/29/13 12:15	10/30/13 09:00
480-49003-21	AF-11D 102913	Ground Water	10/29/13 12:24	10/30/13 09:00
480-49003-22	AF-13S 102913	Ground Water	10/29/13 12:25	10/30/13 09:00
480-49003-23	ADW-100 102913	Ground Water	10/29/13 00:00	10/30/13 09:00
480-49003-24	PMW-4D 102913	Water	10/29/13 12:47	10/30/13 09:00
480-49003-25	OSMW-11P 102913	Ground Water	10/29/13 14:33	10/30/13 09:00
480-49003-26	OSMW-11S 102913	Water	10/29/13 14:42	10/30/13 09:00
480-49003-27	OSMW-11D 102913	Water	10/29/13 14:50	10/30/13 09:00

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Chain of Custody Record

TestAmerica Laboratory location:

Regulatory program:

Client Project Manager:

Company Name:

Address:

City/State/Zip:

Phone:

Project Name:

Project Number:

PO #

Site Contact:

Telephone:

Email:

Method of Shipment/Carrier:

Shipping/Tracking No.:

Sample Date:

Sample Time:

Matrix:

Additives:

Solids:

Other:

ZnAc/Hg:

NaOH:

Tuppers:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

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NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

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HgCl:

HNO3:

H2SO4:

Other:

NaOH:

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Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

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NaOH:

ZnAc/Hg:

Other Preservatives:

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HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

H2SO4:

Other:

NaOH:

ZnAc/Hg:

Other Preservatives:

Containers & Preservatives:

HgCl:

HNO3:

Chain of Custody Record

Client Contact		Site Contact:	Lab Contact:	TestAmerica Laboratories, Inc.	
Company Name:	City/State/Zip:	Telephone:	Telephone:	COC No:	
Address:	Phone:	734-386-9685	716-691-6600	3	of 2 COCs
Project Name:	Email:	Method of Shipment/Carrier:	Analyses	For lab use only	
Project Number:	PO #	Shipping/Tracking No:	FAT at different from below _____	<input type="checkbox"/>	Walk-in client
			3 weeks	<input type="checkbox"/>	Lab pickup
			2 weeks	<input type="checkbox"/>	Lab sampling
			1 week	<input type="checkbox"/>	Job/SDG No:
			2 days	<input type="checkbox"/>	
			1 day	<input type="checkbox"/>	
Sample Identification		Matrix	Containers & Preservatives	Sample Specific Notes / Special Instructions:	
Sample Date	Sample Time	Air	NH4OH		
		Aqueous	NaOH		
		Solid	ZnAc2		
		Other	NaOH		
PMW-40 102913	10/21/13 1347	X	3	N6X	
OSMW-110 103913	10/21/13 1433		3	X	
OSMW-115 102913	10/21/13 1440		3	X	
OSMW-110 102913	10/21/13 1450		3	X	
Analysis per CAP, Level III Data Package					
Possible Hazard Identification		Flammable	Skin Irritant	Poison B	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Disposal By Lab
Special Instructions/QC Requirements & Comments:				<input type="checkbox"/> Return to Client	<input type="checkbox"/> Archive For _____ Months
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-49003-1

SDG Number: 480-49003

Login Number: 49003

List Number: 1

Creator: Stau, Brandon M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	o'brien & gere
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-49115-1

TestAmerica Sample Delivery Group: 480-49115

Client Project/Site: GE Semi Annual Event

Sampling Event: GE IRM Project

For:

O'Brien & Gere Inc of North America

37000 Grand River Ave

Suite 260

Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch



Authorized for release by:

11/25/2013 1:45:13 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II

(716)504-9838

john.schove@testamericainc.com

LINKS

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Expert

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Job ID: 480-49115-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-49115-1

Comments

No additional comments.

Receipt

The samples were received on 10/31/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: AF-25P 103013 (480-49115-7), AF-7S 103013 (480-49115-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 150555 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-23P 103013 (480-49115-28), AF-5P 103013 (480-49115-21), AOC-LD-MW1S 103013 (480-49115-27), OSMW-1S 103013 (480-49115-19), TMW-2D 103013 (480-49115-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 150653 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (480-49115-31 MS), (480-49115-31 MSD), AF-24P 103013 (480-49115-31). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 151038 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 151038 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-24P 103013 (480-49115-31), AF-3P 103013 (480-49115-30), OSMW-5D 103013 (480-49115-36), OSMW-6D 103013 (480-49115-17). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 150898 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 150653 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: Trip Blank 103013

Lab Sample ID: 480-49115-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-7P 103013

Lab Sample ID: 480-49115-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	14		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-7S 103013

Lab Sample ID: 480-49115-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	17		10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	710		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride	610		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7D 103013

Lab Sample ID: 480-49115-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3S 103013

Lab Sample ID: 480-49115-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	2.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3D 103013

Lab Sample ID: 480-49115-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.9		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-25P 103013

Lab Sample ID: 480-49115-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	250		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	26		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	29		4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	14	J	40	12	ug/L	4		8260C	Total/NA
Chloroethane	73		4.0	1.3	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	33		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	2.1	J	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	220		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	12		4.0	3.6	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: TMW-2S 103013

Lab Sample ID: 480-49115-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-2D 103013

Lab Sample ID: 480-49115-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	310		5.0	4.1	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	100		5.0	4.5	ug/L	5		8260C	Total/NA
Vinyl chloride	30		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: TMW-1S 103013

Lab Sample ID: 480-49115-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.4		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	10		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1D 103013

Lab Sample ID: 480-49115-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: ADW-1D 103013

Lab Sample ID: 480-49115-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-8S 103013

Lab Sample ID: 480-49115-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.3		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-8D 103013

Lab Sample ID: 480-49115-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	52		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-7D 103013

Lab Sample ID: 480-49115-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	7.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6S 103013

Lab Sample ID: 480-49115-16

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-6S 103013 (Continued)

Lab Sample ID: 480-49115-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	5.7		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	3.6 J		10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	3.1		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	45		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6D 103013

Lab Sample ID: 480-49115-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.77 J		1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	3.6 J		10	1.3	ug/L	1		8260C	Total/NA
Acetone	250		10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	3.1		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride - DL	170		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-1P 103013

Lab Sample ID: 480-49115-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	8.7 J		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1S 103013

Lab Sample ID: 480-49115-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.9 J		4.0	1.5	ug/L	4		8260C	Total/NA
Acetone	14 J		40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	280		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	320		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-1D 103013

Lab Sample ID: 480-49115-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.6		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	9.7 J		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	8.5		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	33		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5P 103013

Lab Sample ID: 480-49115-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.3 J		2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	12 J		20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	1.7 J		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	130		2.0	0.92	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-5S 103013

Lab Sample ID: 480-49115-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.3		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.5		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	44		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5D 103013

Lab Sample ID: 480-49115-23

No Detections.

Client Sample ID: ADW-5D 103013

Lab Sample ID: 480-49115-24

No Detections.

Client Sample ID: AOC-PST-MW1SR 103013

Lab Sample ID: 480-49115-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.3	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AOC-PST-MW2S 103013

Lab Sample ID: 480-49115-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	15		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	3.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AOC-LD-MW1S 103013

Lab Sample ID: 480-49115-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	430		8.0	6.6	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	29		8.0	3.0	ug/L	8		8260C	Total/NA
1,1-Dichloroethene	27		8.0	2.3	ug/L	8		8260C	Total/NA
Chloroform	4.4	J	8.0	2.7	ug/L	8		8260C	Total/NA
Methylene Chloride	3.9	J	8.0	3.5	ug/L	8		8260C	Total/NA
Trichloroethene	370		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: AF-23P 103013

Lab Sample ID: 480-49115-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	250		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	52		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	20		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	4.0	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	17		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	4.4	J	5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	320		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: AF-2P 103013

Lab Sample ID: 480-49115-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.1		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	7.8		1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-2P 103013 (Continued)

Lab Sample ID: 480-49115-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	42		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-3P 103013

Lab Sample ID: 480-49115-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.4		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	15		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	100		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: AF-24P 103013

Lab Sample ID: 480-49115-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	140		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	82		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	350		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	5.6		5.0	1.8	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	26		5.0	4.5	ug/L	5		8260C	Total/NA
Trichloroethene	360		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	9.3		5.0	4.5	ug/L	5		8260C	Total/NA
1,1,1-Trichloroethane - DL	480		10	8.2	ug/L	10		8260C	Total/NA

Client Sample ID: OSMW-4S 103013

Lab Sample ID: 480-49115-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4D 103013

Lab Sample ID: 480-49115-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	8.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.5		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	34		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-21D 103013

Lab Sample ID: 480-49115-34

No Detections.

Client Sample ID: AF-9S 103013

Lab Sample ID: 480-49115-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	8.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	21		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-5D 103013

Lab Sample ID: 480-49115-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	3.5		2.0	1.8	ug/L	2		8260C	Total/NA
Vinyl chloride	12		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-5S 103013

Lab Sample ID: 480-49115-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: H-221 103013

Lab Sample ID: 480-49115-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.2		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	69		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-2P 103013

Lab Sample ID: 480-49115-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.85	J	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.4		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	7.4		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	7.7		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: Trip Blank 103013

Lab Sample ID: 480-49115-1

Matrix: Water

Date Collected: 10/30/13 00:00
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 02:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 02:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 02:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 02:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 02:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 02:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 02:49	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 02:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 02:49	1
Acetone	6.1 J		10	3.0	ug/L			11/08/13 02:49	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 02:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 02:49	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 02:49	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 02:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 02:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 02:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 02:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 02:49	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 02:49	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 02:49	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 02:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 02:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 02:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 02:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 02:49	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 02:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 02:49	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 02:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 02:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 02:49	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 02:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 02:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 02:49	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/08/13 02:49	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 02:49	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 02:49	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-7P 103013

Date Collected: 10/30/13 08:28

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		11/08/13 03:11		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 03:11		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 03:11		1
1,1-Dichloroethane	14		1.0	0.38	ug/L		11/08/13 03:11		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/08/13 03:11		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 03:11		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 03:11		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 03:11		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 03:11		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 03:11		1
Acetone	11		10	3.0	ug/L		11/08/13 03:11		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 03:11		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 03:11		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 03:11		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 03:11		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 03:11		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 03:11		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 03:11		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 03:11		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 03:11		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 03:11		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 03:11		1
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L		11/08/13 03:11		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 03:11		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 03:11		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 03:11		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 03:11		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 03:11		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 03:11		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 03:11		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 03:11		1
Trichloroethene	ND		1.0	0.46	ug/L		11/08/13 03:11		1
Vinyl chloride	1.5		1.0	0.90	ug/L		11/08/13 03:11		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 03:11		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137			11/08/13 03:11		1
Toluene-d8 (Surr)	100			71 - 126			11/08/13 03:11		1
4-Bromofluorobenzene (Surr)	97			73 - 120			11/08/13 03:11		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-7S 103013

Lab Sample ID: 480-49115-3

Matrix: Water

Date Collected: 10/30/13 08:44

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			11/08/13 03:33	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/08/13 03:33	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/08/13 03:33	10
1,1-Dichloroethane	17		10	3.8	ug/L			11/08/13 03:33	10
1,1-Dichloroethene	ND		10	2.9	ug/L			11/08/13 03:33	10
1,2-Dichloroethane	ND		10	2.1	ug/L			11/08/13 03:33	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/08/13 03:33	10
2-Hexanone	ND		50	12	ug/L			11/08/13 03:33	10
2-Butanone (MEK)	ND		100	13	ug/L			11/08/13 03:33	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/08/13 03:33	10
Acetone	ND		100	30	ug/L			11/08/13 03:33	10
Benzene	ND		10	4.1	ug/L			11/08/13 03:33	10
Bromodichloromethane	ND		10	3.9	ug/L			11/08/13 03:33	10
Bromoform	ND		10	2.6	ug/L			11/08/13 03:33	10
Bromomethane	ND		10	6.9	ug/L			11/08/13 03:33	10
Carbon disulfide	ND		10	1.9	ug/L			11/08/13 03:33	10
Carbon tetrachloride	ND		10	2.7	ug/L			11/08/13 03:33	10
Chlorobenzene	ND		10	7.5	ug/L			11/08/13 03:33	10
Dibromochloromethane	ND		10	3.2	ug/L			11/08/13 03:33	10
Chloroethane	ND		10	3.2	ug/L			11/08/13 03:33	10
Chloroform	ND		10	3.4	ug/L			11/08/13 03:33	10
Chloromethane	ND		10	3.5	ug/L			11/08/13 03:33	10
cis-1,2-Dichloroethene	710		10	8.1	ug/L			11/08/13 03:33	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/08/13 03:33	10
Ethylbenzene	ND		10	7.4	ug/L			11/08/13 03:33	10
Methylene Chloride	ND		10	4.4	ug/L			11/08/13 03:33	10
Styrene	ND		10	7.3	ug/L			11/08/13 03:33	10
Tetrachloroethene	ND		10	3.6	ug/L			11/08/13 03:33	10
Toluene	ND		10	5.1	ug/L			11/08/13 03:33	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/08/13 03:33	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/08/13 03:33	10
Trichloroethene	ND		10	4.6	ug/L			11/08/13 03:33	10
Vinyl chloride	610		10	9.0	ug/L			11/08/13 03:33	10
Xylenes, Total	ND		20	6.6	ug/L			11/08/13 03:33	10
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/08/13 03:33	10
Toluene-d8 (Surr)	101			71 - 126				11/08/13 03:33	10
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 03:33	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-7D 103013

Lab Sample ID: 480-49115-4

Matrix: Water

Date Collected: 10/30/13 08:56
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 03:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 03:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 03:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 03:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 03:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 03:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 03:55	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 03:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 03:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 03:55	1
Acetone	12		10	3.0	ug/L			11/08/13 03:55	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 03:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 03:55	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 03:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 03:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 03:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 03:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 03:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 03:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 03:55	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 03:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 03:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 03:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 03:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 03:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 03:55	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 03:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 03:55	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 03:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 03:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 03:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 03:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 03:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 03:55	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/08/13 03:55	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 03:55	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 03:55	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-3S 103013

Lab Sample ID: 480-49115-5

Matrix: Water

Date Collected: 10/30/13 09:26

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 04:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 04:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 04:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 04:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 04:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 04:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 04:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 04:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 04:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 04:17	1
Acetone	13		10	3.0	ug/L			11/08/13 04:17	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 04:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 04:17	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 04:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 04:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 04:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 04:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 04:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 04:17	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 04:17	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 04:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 04:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 04:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 04:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 04:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 04:17	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 04:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 04:17	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 04:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 04:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 04:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 04:17	1
Vinyl chloride	2.3		1.0	0.90	ug/L			11/08/13 04:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 04:17	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/08/13 04:17	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 04:17	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 04:17	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-3D 103013

Lab Sample ID: 480-49115-6

Matrix: Water

Date Collected: 10/30/13 09:36

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 04:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 04:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 04:38	1
1,1-Dichloroethane	3.9		1.0	0.38	ug/L			11/08/13 04:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 04:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 04:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 04:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 04:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 04:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 04:38	1
Acetone	12		10	3.0	ug/L			11/08/13 04:38	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 04:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 04:38	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 04:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 04:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 04:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 04:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 04:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 04:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 04:38	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 04:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 04:38	1
cis-1,2-Dichloroethene	6.2		1.0	0.81	ug/L			11/08/13 04:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 04:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 04:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 04:38	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 04:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 04:38	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 04:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 04:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 04:38	1
Trichloroethene	1.4		1.0	0.46	ug/L			11/08/13 04:38	1
Vinyl chloride	4.0		1.0	0.90	ug/L			11/08/13 04:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 04:38	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/08/13 04:38	1
Toluene-d8 (Surr)	99			71 - 126				11/08/13 04:38	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/08/13 04:38	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-25P 103013

Lab Sample ID: 480-49115-7

Matrix: Water

Date Collected: 10/30/13 09:52
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	250		4.0	3.3	ug/L		11/08/13 05:00		4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L		11/08/13 05:00		4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L		11/08/13 05:00		4
1,1-Dichloroethane	26		4.0	1.5	ug/L		11/08/13 05:00		4
1,1-Dichloroethene	29		4.0	1.2	ug/L		11/08/13 05:00		4
1,2-Dichloroethane	ND		4.0	0.84	ug/L		11/08/13 05:00		4
1,2-Dichloropropane	ND		4.0	2.9	ug/L		11/08/13 05:00		4
2-Hexanone	ND		20	5.0	ug/L		11/08/13 05:00		4
2-Butanone (MEK)	ND		40	5.3	ug/L		11/08/13 05:00		4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L		11/08/13 05:00		4
Acetone	14 J		40	12	ug/L		11/08/13 05:00		4
Benzene	ND		4.0	1.6	ug/L		11/08/13 05:00		4
Bromodichloromethane	ND		4.0	1.6	ug/L		11/08/13 05:00		4
Bromoform	ND		4.0	1.0	ug/L		11/08/13 05:00		4
Bromomethane	ND		4.0	2.8	ug/L		11/08/13 05:00		4
Carbon disulfide	ND		4.0	0.76	ug/L		11/08/13 05:00		4
Carbon tetrachloride	ND		4.0	1.1	ug/L		11/08/13 05:00		4
Chlorobenzene	ND		4.0	3.0	ug/L		11/08/13 05:00		4
Dibromochloromethane	ND		4.0	1.3	ug/L		11/08/13 05:00		4
Chloroethane	73		4.0	1.3	ug/L		11/08/13 05:00		4
Chloroform	ND		4.0	1.4	ug/L		11/08/13 05:00		4
Chloromethane	ND		4.0	1.4	ug/L		11/08/13 05:00		4
cis-1,2-Dichloroethene	33		4.0	3.2	ug/L		11/08/13 05:00		4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L		11/08/13 05:00		4
Ethylbenzene	ND		4.0	3.0	ug/L		11/08/13 05:00		4
Methylene Chloride	ND		4.0	1.8	ug/L		11/08/13 05:00		4
Styrene	ND		4.0	2.9	ug/L		11/08/13 05:00		4
Tetrachloroethene	2.1 J		4.0	1.4	ug/L		11/08/13 05:00		4
Toluene	ND		4.0	2.0	ug/L		11/08/13 05:00		4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L		11/08/13 05:00		4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L		11/08/13 05:00		4
Trichloroethene	220		4.0	1.8	ug/L		11/08/13 05:00		4
Vinyl chloride	12		4.0	3.6	ug/L		11/08/13 05:00		4
Xylenes, Total	ND		8.0	2.6	ug/L		11/08/13 05:00		4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/08/13 05:00	4
Toluene-d8 (Surr)	101			71 - 126				11/08/13 05:00	4
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 05:00	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: TMW-2S 103013

Lab Sample ID: 480-49115-8

Matrix: Water

Date Collected: 10/30/13 10:18
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 05:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 05:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 05:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 05:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 05:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 05:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 05:22	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 05:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 05:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 05:22	1
Acetone	6.6 J		10	3.0	ug/L			11/08/13 05:22	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 05:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 05:22	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 05:22	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 05:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 05:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 05:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 05:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 05:22	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 05:22	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 05:22	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 05:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 05:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 05:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 05:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 05:22	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 05:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 05:22	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 05:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 05:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 05:22	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 05:22	1
Vinyl chloride	1.2		1.0	0.90	ug/L			11/08/13 05:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 05:22	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115			66 - 137				11/08/13 05:22	1
Toluene-d8 (Surr)	92			71 - 126				11/08/13 05:22	1
4-Bromofluorobenzene (Surr)	90			73 - 120				11/08/13 05:22	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: TMW-2D 103013

Lab Sample ID: 480-49115-9

Matrix: Water

Date Collected: 10/30/13 10:32
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			11/08/13 13:11	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/08/13 13:11	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/08/13 13:11	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			11/08/13 13:11	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			11/08/13 13:11	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/08/13 13:11	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/08/13 13:11	5
2-Hexanone	ND		25	6.2	ug/L			11/08/13 13:11	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/08/13 13:11	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/08/13 13:11	5
Acetone	ND		50	15	ug/L			11/08/13 13:11	5
Benzene	ND		5.0	2.1	ug/L			11/08/13 13:11	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/08/13 13:11	5
Bromoform	ND		5.0	1.3	ug/L			11/08/13 13:11	5
Bromomethane	ND		5.0	3.5	ug/L			11/08/13 13:11	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/08/13 13:11	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/08/13 13:11	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/08/13 13:11	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/08/13 13:11	5
Chloroethane	ND		5.0	1.6	ug/L			11/08/13 13:11	5
Chloroform	ND		5.0	1.7	ug/L			11/08/13 13:11	5
Chloromethane	ND		5.0	1.8	ug/L			11/08/13 13:11	5
cis-1,2-Dichloroethene	310		5.0	4.1	ug/L			11/08/13 13:11	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/08/13 13:11	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/08/13 13:11	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/08/13 13:11	5
Styrene	ND		5.0	3.7	ug/L			11/08/13 13:11	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/08/13 13:11	5
Toluene	ND		5.0	2.6	ug/L			11/08/13 13:11	5
trans-1,2-Dichloroethene	100		5.0	4.5	ug/L			11/08/13 13:11	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/08/13 13:11	5
Trichloroethene	ND		5.0	2.3	ug/L			11/08/13 13:11	5
Vinyl chloride	30		5.0	4.5	ug/L			11/08/13 13:11	5
Xylenes, Total	ND		10	3.3	ug/L			11/08/13 13:11	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			66 - 137				11/08/13 13:11	5
Toluene-d8 (Surr)	99			71 - 126				11/08/13 13:11	5
4-Bromofluorobenzene (Surr)	96			73 - 120				11/08/13 13:11	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: TMW-1S 103013

Date Collected: 10/30/13 11:00

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		11/08/13 06:06		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 06:06		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 06:06		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		11/08/13 06:06		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/08/13 06:06		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 06:06		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 06:06		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 06:06		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 06:06		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 06:06		1
Acetone	12		10	3.0	ug/L		11/08/13 06:06		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 06:06		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 06:06		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 06:06		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 06:06		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 06:06		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 06:06		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 06:06		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 06:06		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 06:06		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 06:06		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 06:06		1
cis-1,2-Dichloroethene	2.4		1.0	0.81	ug/L		11/08/13 06:06		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 06:06		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 06:06		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 06:06		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 06:06		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 06:06		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 06:06		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 06:06		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 06:06		1
Trichloroethene	ND		1.0	0.46	ug/L		11/08/13 06:06		1
Vinyl chloride	10		1.0	0.90	ug/L		11/08/13 06:06		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 06:06		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137			11/08/13 06:06		1
Toluene-d8 (Surr)	98			71 - 126			11/08/13 06:06		1
4-Bromofluorobenzene (Surr)	94			73 - 120			11/08/13 06:06		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: TMW-1D 103013

Date Collected: 10/30/13 11:14

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-11

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 06:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 06:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 06:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 06:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 06:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 06:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 06:27	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 06:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 06:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 06:27	1
Acetone	12		10	3.0	ug/L			11/08/13 06:27	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 06:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 06:27	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 06:27	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 06:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 06:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 06:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 06:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 06:27	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 06:27	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 06:27	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 06:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 06:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 06:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 06:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 06:27	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 06:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 06:27	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 06:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 06:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 06:27	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 06:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 06:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 06:27	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/08/13 06:27	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 06:27	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/08/13 06:27	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: ADW-1D 103013

Date Collected: 10/30/13 11:20

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 06:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 06:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 06:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 06:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 06:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 06:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 06:49	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 06:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 06:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 06:49	1
Acetone	13		10	3.0	ug/L			11/08/13 06:49	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 06:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 06:49	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 06:49	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 06:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 06:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 06:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 06:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 06:49	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 06:49	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 06:49	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 06:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 06:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 06:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 06:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 06:49	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 06:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 06:49	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 06:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 06:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 06:49	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 06:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 06:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 06:49	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			66 - 137				11/08/13 06:49	1
Toluene-d8 (Surr)	103			71 - 126				11/08/13 06:49	1
4-Bromofluorobenzene (Surr)	99			73 - 120				11/08/13 06:49	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-8S 103013

Lab Sample ID: 480-49115-13

Matrix: Water

Date Collected: 10/30/13 11:48
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 13:33	1
1,1-Dichloroethane	5.3		1.0	0.38	ug/L			11/08/13 13:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 13:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 13:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 13:33	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 13:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 13:33	1
Acetone	3.9 J		10	3.0	ug/L			11/08/13 13:33	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 13:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 13:33	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 13:33	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 13:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 13:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 13:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 13:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 13:33	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 13:33	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 13:33	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 13:33	1
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L			11/08/13 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 13:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 13:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 13:33	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 13:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 13:33	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 13:33	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 13:33	1
Vinyl chloride	8.1		1.0	0.90	ug/L			11/08/13 13:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 13:33	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/08/13 13:33	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 13:33	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 13:33	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-8D 103013

Lab Sample ID: 480-49115-14

Matrix: Water

Date Collected: 10/30/13 11:56

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 13:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 13:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 13:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 13:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 13:55	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 13:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 13:55	1
Acetone	5.4 J		10	3.0	ug/L			11/08/13 13:55	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 13:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 13:55	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 13:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 13:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 13:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 13:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 13:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 13:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 13:55	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 13:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 13:55	1
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			11/08/13 13:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 13:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 13:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 13:55	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 13:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 13:55	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 13:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 13:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 13:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 13:55	1
Vinyl chloride	52		1.0	0.90	ug/L			11/08/13 13:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 13:55	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/08/13 13:55	1
Toluene-d8 (Surr)	101			71 - 126				11/08/13 13:55	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 13:55	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-7D 103013

Lab Sample ID: 480-49115-15

Matrix: Water

Date Collected: 10/30/13 12:16

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 14:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 14:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 14:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 14:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 14:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 14:17	1
Acetone	ND		10	3.0	ug/L			11/08/13 14:17	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 14:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 14:17	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 14:17	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 14:17	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 14:17	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 14:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 14:17	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 14:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 14:17	1
Vinyl chloride	7.8		1.0	0.90	ug/L			11/08/13 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		11/08/13 14:17	1
Toluene-d8 (Surr)	101		71 - 126		11/08/13 14:17	1
4-Bromofluorobenzene (Surr)	98		73 - 120		11/08/13 14:17	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-6S 103013

Lab Sample ID: 480-49115-16

Matrix: Water

Date Collected: 10/30/13 12:46

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 14:38	1
1,1-Dichloroethane	2.4		1.0	0.38	ug/L			11/08/13 14:38	1
1,1-Dichloroethene	5.7		1.0	0.29	ug/L			11/08/13 14:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 14:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 14:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 14:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 14:38	1
Acetone	3.6 J		10	3.0	ug/L			11/08/13 14:38	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 14:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 14:38	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 14:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 14:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 14:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 14:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 14:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 14:38	1
Chloroethane	3.1		1.0	0.32	ug/L			11/08/13 14:38	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 14:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 14:38	1
cis-1,2-Dichloroethene	45		1.0	0.81	ug/L			11/08/13 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 14:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 14:38	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 14:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 14:38	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 14:38	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 14:38	1
Vinyl chloride	8.6		1.0	0.90	ug/L			11/08/13 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 14:38	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/08/13 14:38	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 14:38	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/08/13 14:38	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-6D 103013

Lab Sample ID: 480-49115-17

Matrix: Water

Date Collected: 10/30/13 12:53
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 15:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 15:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 15:00	1
1,1-Dichloroethane	4.9		1.0	0.38	ug/L			11/08/13 15:00	1
1,1-Dichloroethene	0.77 J		1.0	0.29	ug/L			11/08/13 15:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 15:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 15:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 15:00	1
2-Butanone (MEK)	3.6 J		10	1.3	ug/L			11/08/13 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 15:00	1
Acetone	250		10	3.0	ug/L			11/08/13 15:00	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 15:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 15:00	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 15:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 15:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 15:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 15:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 15:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 15:00	1
Chloroethane	3.1		1.0	0.32	ug/L			11/08/13 15:00	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 15:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 15:00	1
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L			11/08/13 15:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 15:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 15:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 15:00	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 15:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 15:00	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 15:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 15:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 15:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 15:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 15:00	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			66 - 137				11/08/13 15:00	1
Toluene-d8 (Surr)	100			71 - 126				11/08/13 15:00	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/08/13 15:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	170		4.0	3.6	ug/L			11/09/13 00:07	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/09/13 00:07	4
Toluene-d8 (Surr)	102			71 - 126				11/09/13 00:07	4
4-Bromofluorobenzene (Surr)	100			73 - 120				11/09/13 00:07	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-1P 103013

Lab Sample ID: 480-49115-18

Matrix: Water

Date Collected: 10/30/13 13:30

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 15:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 15:22	1
1,1-Dichloroethane	3.0		1.0	0.38	ug/L			11/08/13 15:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 15:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 15:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 15:22	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 15:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 15:22	1
Acetone	8.7 J		10	3.0	ug/L			11/08/13 15:22	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 15:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 15:22	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 15:22	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 15:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 15:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 15:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 15:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 15:22	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 15:22	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 15:22	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 15:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 15:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 15:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 15:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 15:22	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 15:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 15:22	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 15:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 15:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 15:22	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 15:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 15:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 15:22	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/08/13 15:22	1
Toluene-d8 (Surr)	101			71 - 126				11/08/13 15:22	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 15:22	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-1S 103013

Lab Sample ID: 480-49115-19

Matrix: Water

Date Collected: 10/30/13 13:40
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/08/13 15:44	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/08/13 15:44	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/08/13 15:44	4
1,1-Dichloroethane	2.9	J	4.0	1.5	ug/L			11/08/13 15:44	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/08/13 15:44	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/08/13 15:44	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/08/13 15:44	4
2-Hexanone	ND		20	5.0	ug/L			11/08/13 15:44	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/08/13 15:44	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/08/13 15:44	4
Acetone	14	J	40	12	ug/L			11/08/13 15:44	4
Benzene	ND		4.0	1.6	ug/L			11/08/13 15:44	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/08/13 15:44	4
Bromoform	ND		4.0	1.0	ug/L			11/08/13 15:44	4
Bromomethane	ND		4.0	2.8	ug/L			11/08/13 15:44	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/08/13 15:44	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/08/13 15:44	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/08/13 15:44	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/08/13 15:44	4
Chloroethane	ND		4.0	1.3	ug/L			11/08/13 15:44	4
Chloroform	ND		4.0	1.4	ug/L			11/08/13 15:44	4
Chloromethane	ND		4.0	1.4	ug/L			11/08/13 15:44	4
cis-1,2-Dichloroethene	280		4.0	3.2	ug/L			11/08/13 15:44	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/08/13 15:44	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/08/13 15:44	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/08/13 15:44	4
Styrene	ND		4.0	2.9	ug/L			11/08/13 15:44	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/08/13 15:44	4
Toluene	ND		4.0	2.0	ug/L			11/08/13 15:44	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/08/13 15:44	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/08/13 15:44	4
Trichloroethene	ND		4.0	1.8	ug/L			11/08/13 15:44	4
Vinyl chloride	320		4.0	3.6	ug/L			11/08/13 15:44	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/08/13 15:44	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/08/13 15:44	4
Toluene-d8 (Surr)	100			71 - 126				11/08/13 15:44	4
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 15:44	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-1D 103013

Lab Sample ID: 480-49115-20

Matrix: Water

Date Collected: 10/30/13 13:50

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 16:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 16:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 16:06	1
1,1-Dichloroethane	2.6		1.0	0.38	ug/L			11/08/13 16:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 16:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 16:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 16:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 16:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 16:06	1
Acetone	9.7 J		10	3.0	ug/L			11/08/13 16:06	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 16:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 16:06	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 16:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 16:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 16:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 16:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 16:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 16:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 16:06	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 16:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 16:06	1
cis-1,2-Dichloroethene	8.5		1.0	0.81	ug/L			11/08/13 16:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 16:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 16:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 16:06	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 16:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 16:06	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 16:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 16:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 16:06	1
Vinyl chloride	33		1.0	0.90	ug/L			11/08/13 16:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 16:06	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			66 - 137				11/08/13 16:06	1
Toluene-d8 (Surr)	101			71 - 126				11/08/13 16:06	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 16:06	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-5P 103013

Lab Sample ID: 480-49115-21

Matrix: Water

Date Collected: 10/30/13 14:03
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	28		2.0	1.6	ug/L		11/08/13 16:28		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		11/08/13 16:28		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		11/08/13 16:28		2
1,1-Dichloroethane	6.4		2.0	0.76	ug/L		11/08/13 16:28		2
1,1-Dichloroethene	1.3	J	2.0	0.58	ug/L		11/08/13 16:28		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		11/08/13 16:28		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		11/08/13 16:28		2
2-Hexanone	ND		10	2.5	ug/L		11/08/13 16:28		2
2-Butanone (MEK)	ND		20	2.6	ug/L		11/08/13 16:28		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		11/08/13 16:28		2
Acetone	12	J	20	6.0	ug/L		11/08/13 16:28		2
Benzene	ND		2.0	0.82	ug/L		11/08/13 16:28		2
Bromodichloromethane	ND		2.0	0.78	ug/L		11/08/13 16:28		2
Bromoform	ND		2.0	0.52	ug/L		11/08/13 16:28		2
Bromomethane	ND		2.0	1.4	ug/L		11/08/13 16:28		2
Carbon disulfide	ND		2.0	0.38	ug/L		11/08/13 16:28		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		11/08/13 16:28		2
Chlorobenzene	ND		2.0	1.5	ug/L		11/08/13 16:28		2
Dibromochloromethane	ND		2.0	0.64	ug/L		11/08/13 16:28		2
Chloroethane	ND		2.0	0.64	ug/L		11/08/13 16:28		2
Chloroform	ND		2.0	0.68	ug/L		11/08/13 16:28		2
Chloromethane	ND		2.0	0.70	ug/L		11/08/13 16:28		2
cis-1,2-Dichloroethene	1.7	J	2.0	1.6	ug/L		11/08/13 16:28		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		11/08/13 16:28		2
Ethylbenzene	ND		2.0	1.5	ug/L		11/08/13 16:28		2
Methylene Chloride	ND		2.0	0.88	ug/L		11/08/13 16:28		2
Styrene	ND		2.0	1.5	ug/L		11/08/13 16:28		2
Tetrachloroethene	ND		2.0	0.72	ug/L		11/08/13 16:28		2
Toluene	ND		2.0	1.0	ug/L		11/08/13 16:28		2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L		11/08/13 16:28		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		11/08/13 16:28		2
Trichloroethene	130		2.0	0.92	ug/L		11/08/13 16:28		2
Vinyl chloride	ND		2.0	1.8	ug/L		11/08/13 16:28		2
Xylenes, Total	ND		4.0	1.3	ug/L		11/08/13 16:28		2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		11/08/13 16:28	2
Toluene-d8 (Surr)	102		71 - 126		11/08/13 16:28	2
4-Bromofluorobenzene (Surr)	97		73 - 120		11/08/13 16:28	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-5S 103013

Lab Sample ID: 480-49115-22

Matrix: Water

Date Collected: 10/30/13 14:10
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 16:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 16:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 16:50	1
1,1-Dichloroethane	5.3		1.0	0.38	ug/L			11/08/13 16:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 16:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 16:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 16:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 16:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 16:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 16:50	1
Acetone	13		10	3.0	ug/L			11/08/13 16:50	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 16:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 16:50	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 16:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 16:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 16:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 16:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 16:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 16:50	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 16:50	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 16:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 16:50	1
cis-1,2-Dichloroethene	2.5		1.0	0.81	ug/L			11/08/13 16:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 16:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 16:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 16:50	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 16:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 16:50	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 16:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 16:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 16:50	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 16:50	1
Vinyl chloride	44		1.0	0.90	ug/L			11/08/13 16:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 16:50	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			66 - 137				11/08/13 16:50	1
Toluene-d8 (Surr)	99			71 - 126				11/08/13 16:50	1
4-Bromofluorobenzene (Surr)	95			73 - 120				11/08/13 16:50	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-5D 103013

Lab Sample ID: 480-49115-23

Matrix: Water

Date Collected: 10/30/13 14:20
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		11/08/13 17:11		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 17:11		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 17:11		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		11/08/13 17:11		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/08/13 17:11		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 17:11		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 17:11		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 17:11		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 17:11		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 17:11		1
Acetone	ND		10	3.0	ug/L		11/08/13 17:11		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 17:11		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 17:11		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 17:11		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 17:11		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 17:11		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 17:11		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 17:11		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 17:11		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 17:11		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 17:11		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 17:11		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		11/08/13 17:11		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 17:11		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 17:11		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 17:11		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 17:11		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 17:11		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 17:11		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 17:11		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 17:11		1
Trichloroethene	ND		1.0	0.46	ug/L		11/08/13 17:11		1
Vinyl chloride	ND		1.0	0.90	ug/L		11/08/13 17:11		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 17:11		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137			11/08/13 17:11		1
Toluene-d8 (Surr)	100			71 - 126			11/08/13 17:11		1
4-Bromofluorobenzene (Surr)	97			73 - 120			11/08/13 17:11		1

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Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: ADW-5D 103013

Date Collected: 10/30/13 14:30

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-24

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		11/08/13 17:33		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 17:33		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 17:33		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		11/08/13 17:33		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/08/13 17:33		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 17:33		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 17:33		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 17:33		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 17:33		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 17:33		1
Acetone	ND		10	3.0	ug/L		11/08/13 17:33		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 17:33		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 17:33		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 17:33		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 17:33		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 17:33		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 17:33		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 17:33		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 17:33		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 17:33		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 17:33		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 17:33		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		11/08/13 17:33		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 17:33		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 17:33		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 17:33		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 17:33		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 17:33		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 17:33		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 17:33		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 17:33		1
Trichloroethene	ND		1.0	0.46	ug/L		11/08/13 17:33		1
Vinyl chloride	ND		1.0	0.90	ug/L		11/08/13 17:33		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 17:33		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137			11/08/13 17:33		1
Toluene-d8 (Surr)	101			71 - 126			11/08/13 17:33		1
4-Bromofluorobenzene (Surr)	97			73 - 120			11/08/13 17:33		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AOC-PST-MW1SR 103013

Lab Sample ID: 480-49115-25

Matrix: Water

Date Collected: 10/30/13 08:45

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 17:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 17:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 17:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 17:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 17:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 17:55	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 17:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 17:55	1
Acetone	5.3 J		10	3.0	ug/L			11/08/13 17:55	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 17:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 17:55	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 17:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 17:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 17:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 17:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 17:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 17:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 17:55	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 17:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 17:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/13 17:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 17:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 17:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 17:55	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 17:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/13 17:55	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 17:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 17:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 17:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/13 17:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 17:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 17:55	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109			66 - 137				11/08/13 17:55	1
Toluene-d8 (Surr)	102			71 - 126				11/08/13 17:55	1
4-Bromofluorobenzene (Surr)	98			73 - 120				11/08/13 17:55	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AOC-PST-MW2S 103013

Lab Sample ID: 480-49115-26

Matrix: Water

Date Collected: 10/30/13 08:57

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15		1.0	0.82	ug/L		11/08/13 18:16		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 18:16		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 18:16		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		11/08/13 18:16		1
1,1-Dichloroethene	2.2		1.0	0.29	ug/L		11/08/13 18:16		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 18:16		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 18:16		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 18:16		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 18:16		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 18:16		1
Acetone	ND		10	3.0	ug/L		11/08/13 18:16		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 18:16		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 18:16		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 18:16		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 18:16		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 18:16		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 18:16		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 18:16		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 18:16		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 18:16		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 18:16		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 18:16		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		11/08/13 18:16		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 18:16		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 18:16		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 18:16		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 18:16		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 18:16		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 18:16		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 18:16		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 18:16		1
Trichloroethene	3.9		1.0	0.46	ug/L		11/08/13 18:16		1
Vinyl chloride	ND		1.0	0.90	ug/L		11/08/13 18:16		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 18:16		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109			66 - 137			11/08/13 18:16		1
Toluene-d8 (Surr)	101			71 - 126			11/08/13 18:16		1
4-Bromofluorobenzene (Surr)	96			73 - 120			11/08/13 18:16		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AOC-LD-MW1S 103013

Lab Sample ID: 480-49115-27

Date Collected: 10/30/13 09:13
 Date Received: 10/31/13 09:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	430		8.0	6.6	ug/L			11/08/13 18:38	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/08/13 18:38	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/08/13 18:38	8
1,1-Dichloroethane	29		8.0	3.0	ug/L			11/08/13 18:38	8
1,1-Dichloroethene	27		8.0	2.3	ug/L			11/08/13 18:38	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/08/13 18:38	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/08/13 18:38	8
2-Hexanone	ND		40	9.9	ug/L			11/08/13 18:38	8
2-Butanone (MEK)	ND		80	11	ug/L			11/08/13 18:38	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/08/13 18:38	8
Acetone	ND		80	24	ug/L			11/08/13 18:38	8
Benzene	ND		8.0	3.3	ug/L			11/08/13 18:38	8
Bromodichloromethane	ND		8.0	3.1	ug/L			11/08/13 18:38	8
Bromoform	ND		8.0	2.1	ug/L			11/08/13 18:38	8
Bromomethane	ND		8.0	5.5	ug/L			11/08/13 18:38	8
Carbon disulfide	ND		8.0	1.5	ug/L			11/08/13 18:38	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			11/08/13 18:38	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/08/13 18:38	8
Dibromochloromethane	ND		8.0	2.6	ug/L			11/08/13 18:38	8
Chloroethane	ND		8.0	2.6	ug/L			11/08/13 18:38	8
Chloroform	4.4 J		8.0	2.7	ug/L			11/08/13 18:38	8
Chloromethane	ND		8.0	2.8	ug/L			11/08/13 18:38	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			11/08/13 18:38	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/08/13 18:38	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/08/13 18:38	8
Methylene Chloride	3.9 J		8.0	3.5	ug/L			11/08/13 18:38	8
Styrene	ND		8.0	5.8	ug/L			11/08/13 18:38	8
Tetrachloroethene	ND		8.0	2.9	ug/L			11/08/13 18:38	8
Toluene	ND		8.0	4.1	ug/L			11/08/13 18:38	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/08/13 18:38	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/08/13 18:38	8
Trichloroethene	370		8.0	3.7	ug/L			11/08/13 18:38	8
Vinyl chloride	ND		8.0	7.2	ug/L			11/08/13 18:38	8
Xylenes, Total	ND		16	5.3	ug/L			11/08/13 18:38	8
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/08/13 18:38	8
Toluene-d8 (Surr)	101			71 - 126				11/08/13 18:38	8
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 18:38	8

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-23P 103013

Lab Sample ID: 480-49115-28

Matrix: Water

Date Collected: 10/30/13 09:41
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	250		5.0	4.1	ug/L		11/08/13 19:00		5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L		11/08/13 19:00		5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L		11/08/13 19:00		5
1,1-Dichloroethane	52		5.0	1.9	ug/L		11/08/13 19:00		5
1,1-Dichloroethene	20		5.0	1.5	ug/L		11/08/13 19:00		5
1,2-Dichloroethane	ND		5.0	1.1	ug/L		11/08/13 19:00		5
1,2-Dichloropropane	ND		5.0	3.6	ug/L		11/08/13 19:00		5
2-Hexanone	ND		25	6.2	ug/L		11/08/13 19:00		5
2-Butanone (MEK)	ND		50	6.6	ug/L		11/08/13 19:00		5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L		11/08/13 19:00		5
Acetone	ND		50	15	ug/L		11/08/13 19:00		5
Benzene	ND		5.0	2.1	ug/L		11/08/13 19:00		5
Bromodichloromethane	ND		5.0	2.0	ug/L		11/08/13 19:00		5
Bromoform	ND		5.0	1.3	ug/L		11/08/13 19:00		5
Bromomethane	ND		5.0	3.5	ug/L		11/08/13 19:00		5
Carbon disulfide	ND		5.0	0.95	ug/L		11/08/13 19:00		5
Carbon tetrachloride	ND		5.0	1.4	ug/L		11/08/13 19:00		5
Chlorobenzene	ND		5.0	3.8	ug/L		11/08/13 19:00		5
Dibromochloromethane	ND		5.0	1.6	ug/L		11/08/13 19:00		5
Chloroethane	ND		5.0	1.6	ug/L		11/08/13 19:00		5
Chloroform	4.0 J		5.0	1.7	ug/L		11/08/13 19:00		5
Chloromethane	ND		5.0	1.8	ug/L		11/08/13 19:00		5
cis-1,2-Dichloroethene	17		5.0	4.1	ug/L		11/08/13 19:00		5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L		11/08/13 19:00		5
Ethylbenzene	ND		5.0	3.7	ug/L		11/08/13 19:00		5
Methylene Chloride	ND		5.0	2.2	ug/L		11/08/13 19:00		5
Styrene	ND		5.0	3.7	ug/L		11/08/13 19:00		5
Tetrachloroethene	4.4 J		5.0	1.8	ug/L		11/08/13 19:00		5
Toluene	ND		5.0	2.6	ug/L		11/08/13 19:00		5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L		11/08/13 19:00		5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L		11/08/13 19:00		5
Trichloroethene	320		5.0	2.3	ug/L		11/08/13 19:00		5
Vinyl chloride	ND		5.0	4.5	ug/L		11/08/13 19:00		5
Xylenes, Total	ND		10	3.3	ug/L		11/08/13 19:00		5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/08/13 19:00	5
Toluene-d8 (Surr)	101			71 - 126				11/08/13 19:00	5
4-Bromofluorobenzene (Surr)	97			73 - 120				11/08/13 19:00	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-2P 103013

Lab Sample ID: 480-49115-29

Matrix: Water

Date Collected: 10/30/13 10:11
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.1		1.0	0.82	ug/L		11/08/13 19:22		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		11/08/13 19:22		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		11/08/13 19:22		1
1,1-Dichloroethane	7.8		1.0	0.38	ug/L		11/08/13 19:22		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		11/08/13 19:22		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		11/08/13 19:22		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		11/08/13 19:22		1
2-Hexanone	ND		5.0	1.2	ug/L		11/08/13 19:22		1
2-Butanone (MEK)	ND		10	1.3	ug/L		11/08/13 19:22		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		11/08/13 19:22		1
Acetone	ND		10	3.0	ug/L		11/08/13 19:22		1
Benzene	ND		1.0	0.41	ug/L		11/08/13 19:22		1
Bromodichloromethane	ND		1.0	0.39	ug/L		11/08/13 19:22		1
Bromoform	ND		1.0	0.26	ug/L		11/08/13 19:22		1
Bromomethane	ND		1.0	0.69	ug/L		11/08/13 19:22		1
Carbon disulfide	ND		1.0	0.19	ug/L		11/08/13 19:22		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		11/08/13 19:22		1
Chlorobenzene	ND		1.0	0.75	ug/L		11/08/13 19:22		1
Dibromochloromethane	ND		1.0	0.32	ug/L		11/08/13 19:22		1
Chloroethane	ND		1.0	0.32	ug/L		11/08/13 19:22		1
Chloroform	ND		1.0	0.34	ug/L		11/08/13 19:22		1
Chloromethane	ND		1.0	0.35	ug/L		11/08/13 19:22		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		11/08/13 19:22		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		11/08/13 19:22		1
Ethylbenzene	ND		1.0	0.74	ug/L		11/08/13 19:22		1
Methylene Chloride	ND		1.0	0.44	ug/L		11/08/13 19:22		1
Styrene	ND		1.0	0.73	ug/L		11/08/13 19:22		1
Tetrachloroethene	ND		1.0	0.36	ug/L		11/08/13 19:22		1
Toluene	ND		1.0	0.51	ug/L		11/08/13 19:22		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		11/08/13 19:22		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		11/08/13 19:22		1
Trichloroethene	42		1.0	0.46	ug/L		11/08/13 19:22		1
Vinyl chloride	ND		1.0	0.90	ug/L		11/08/13 19:22		1
Xylenes, Total	ND		2.0	0.66	ug/L		11/08/13 19:22		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137			11/08/13 19:22		1
Toluene-d8 (Surr)	103			71 - 126			11/08/13 19:22		1
4-Bromofluorobenzene (Surr)	97			73 - 120			11/08/13 19:22		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-3P 103013

Date Collected: 10/30/13 10:21

Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		1.0	0.82	ug/L			11/08/13 19:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 19:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 19:44	1
1,1-Dichloroethane	2.6		1.0	0.38	ug/L			11/08/13 19:44	1
1,1-Dichloroethene	1.4		1.0	0.29	ug/L			11/08/13 19:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 19:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 19:44	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 19:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 19:44	1
Acetone	ND		10	3.0	ug/L			11/08/13 19:44	1
Benzene	ND		1.0	0.41	ug/L			11/08/13 19:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 19:44	1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 19:44	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 19:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 19:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 19:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 19:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/13 19:44	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/13 19:44	1
Chloroform	ND		1.0	0.34	ug/L			11/08/13 19:44	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/13 19:44	1
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L			11/08/13 19:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/13 19:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/13 19:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/13 19:44	1
Styrene	ND		1.0	0.73	ug/L			11/08/13 19:44	1
Tetrachloroethene	15		1.0	0.36	ug/L			11/08/13 19:44	1
Toluene	ND		1.0	0.51	ug/L			11/08/13 19:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/13 19:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/13 19:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/13 19:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/13 19:44	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109			66 - 137				11/08/13 19:44	1
Toluene-d8 (Surr)	99			71 - 126				11/08/13 19:44	1
4-Bromofluorobenzene (Surr)	94			73 - 120				11/08/13 19:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	100		2.0	0.92	ug/L			11/09/13 00:29	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/09/13 00:29	2
Toluene-d8 (Surr)	101			71 - 126				11/09/13 00:29	2
4-Bromofluorobenzene (Surr)	96			73 - 120				11/09/13 00:29	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-24P 103013

Lab Sample ID: 480-49115-31

Matrix: Water

Date Collected: 10/30/13 10:33
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/09/13 00:51	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/09/13 00:51	5
1,1-Dichloroethane	140		5.0	1.9	ug/L			11/09/13 00:51	5
1,1-Dichloroethene	82		5.0	1.5	ug/L			11/09/13 00:51	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/09/13 00:51	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/09/13 00:51	5
2-Hexanone	ND		25	6.2	ug/L			11/09/13 00:51	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/09/13 00:51	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/09/13 00:51	5
Acetone	ND		50	15	ug/L			11/09/13 00:51	5
Benzene	ND		5.0	2.1	ug/L			11/09/13 00:51	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/09/13 00:51	5
Bromoform	ND		5.0	1.3	ug/L			11/09/13 00:51	5
Bromomethane	ND		5.0	3.5	ug/L			11/09/13 00:51	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/09/13 00:51	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/09/13 00:51	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/09/13 00:51	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/09/13 00:51	5
Chloroethane	ND		5.0	1.6	ug/L			11/09/13 00:51	5
Chloroform	ND		5.0	1.7	ug/L			11/09/13 00:51	5
Chloromethane	ND		5.0	1.8	ug/L			11/09/13 00:51	5
cis-1,2-Dichloroethene	350		5.0	4.1	ug/L			11/09/13 00:51	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/09/13 00:51	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/09/13 00:51	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/09/13 00:51	5
Styrene	ND		5.0	3.7	ug/L			11/09/13 00:51	5
Tetrachloroethene	5.6		5.0	1.8	ug/L			11/09/13 00:51	5
Toluene	ND		5.0	2.6	ug/L			11/09/13 00:51	5
trans-1,2-Dichloroethene	26		5.0	4.5	ug/L			11/09/13 00:51	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/09/13 00:51	5
Trichloroethene	360		5.0	2.3	ug/L			11/09/13 00:51	5
Vinyl chloride	9.3		5.0	4.5	ug/L			11/09/13 00:51	5
Xylenes, Total	ND		10	3.3	ug/L			11/09/13 00:51	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109			66 - 137				11/09/13 00:51	5
Toluene-d8 (Surr)	101			71 - 126				11/09/13 00:51	5
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 00:51	5

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	480		10	8.2	ug/L			11/11/13 01:52	10
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			66 - 137				11/11/13 01:52	10
Toluene-d8 (Surr)	101			71 - 126				11/11/13 01:52	10
4-Bromofluorobenzene (Surr)	97			73 - 120				11/11/13 01:52	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-4S 103013

Lab Sample ID: 480-49115-32

Matrix: Water

Date Collected: 10/30/13 10:59
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/13 01:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 01:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 01:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/13 01:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/13 01:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 01:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 01:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 01:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 01:13	1
Acetone	5.0	J	10	3.0	ug/L			11/09/13 01:13	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 01:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 01:13	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 01:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 01:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 01:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 01:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 01:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 01:13	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 01:13	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 01:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 01:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/13 01:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 01:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 01:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 01:13	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 01:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 01:13	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 01:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 01:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 01:13	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/13 01:13	1
Vinyl chloride	20		1.0	0.90	ug/L			11/09/13 01:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 01:13	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/09/13 01:13	1
Toluene-d8 (Surr)	100			71 - 126				11/09/13 01:13	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 01:13	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-4D 103013

Lab Sample ID: 480-49115-33

Matrix: Water

Date Collected: 10/30/13 11:05

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/13 02:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 02:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 02:17	1
1,1-Dichloroethane	8.4		1.0	0.38	ug/L			11/09/13 02:17	1
1,1-Dichloroethene	1.0		1.0	0.29	ug/L			11/09/13 02:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 02:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 02:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 02:17	1
Acetone	14		10	3.0	ug/L			11/09/13 02:17	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 02:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 02:17	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 02:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 02:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 02:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 02:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 02:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 02:17	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 02:17	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 02:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 02:17	1
cis-1,2-Dichloroethene	33		1.0	0.81	ug/L			11/09/13 02:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 02:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 02:17	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 02:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 02:17	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 02:17	1
trans-1,2-Dichloroethene	4.5		1.0	0.90	ug/L			11/09/13 02:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 02:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/13 02:17	1
Vinyl chloride	34		1.0	0.90	ug/L			11/09/13 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 02:17	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/09/13 02:17	1
Toluene-d8 (Surr)	100			71 - 126				11/09/13 02:17	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 02:17	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-21D 103013

Lab Sample ID: 480-49115-34

Matrix: Water

Date Collected: 10/30/13 11:43
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/13 02:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 02:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 02:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/13 02:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/13 02:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 02:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 02:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 02:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 02:39	1
Acetone	ND		10	3.0	ug/L			11/09/13 02:39	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 02:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 02:39	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 02:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 02:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 02:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 02:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 02:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 02:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 02:39	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 02:39	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 02:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/13 02:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 02:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 02:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 02:39	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 02:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 02:39	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 02:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 02:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 02:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/13 02:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/13 02:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 02:39	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/09/13 02:39	1
Toluene-d8 (Surr)	100			71 - 126				11/09/13 02:39	1
4-Bromofluorobenzene (Surr)	96			73 - 120				11/09/13 02:39	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-9S 103013

Lab Sample ID: 480-49115-35

Matrix: Water

Date Collected: 10/30/13 12:03
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/13 03:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 03:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 03:00	1
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L			11/09/13 03:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/13 03:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 03:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 03:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 03:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 03:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 03:00	1
Acetone	8.1	J	10	3.0	ug/L			11/09/13 03:00	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 03:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 03:00	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 03:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 03:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 03:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 03:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 03:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 03:00	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 03:00	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 03:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 03:00	1
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			11/09/13 03:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 03:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 03:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 03:00	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 03:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 03:00	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 03:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 03:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 03:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/13 03:00	1
Vinyl chloride	21		1.0	0.90	ug/L			11/09/13 03:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 03:00	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113			66 - 137				11/09/13 03:00	1
Toluene-d8 (Surr)	100			71 - 126				11/09/13 03:00	1
4-Bromofluorobenzene (Surr)	95			73 - 120				11/09/13 03:00	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-5D 103013

Lab Sample ID: 480-49115-36

Matrix: Water

Date Collected: 10/30/13 12:39

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/09/13 03:22	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/09/13 03:22	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/09/13 03:22	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			11/09/13 03:22	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/09/13 03:22	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/09/13 03:22	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/09/13 03:22	2
2-Hexanone	ND		10	2.5	ug/L			11/09/13 03:22	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/09/13 03:22	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/09/13 03:22	2
Acetone	ND		20	6.0	ug/L			11/09/13 03:22	2
Benzene	ND		2.0	0.82	ug/L			11/09/13 03:22	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/09/13 03:22	2
Bromoform	ND		2.0	0.52	ug/L			11/09/13 03:22	2
Bromomethane	ND		2.0	1.4	ug/L			11/09/13 03:22	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/09/13 03:22	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/09/13 03:22	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/09/13 03:22	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/09/13 03:22	2
Chloroethane	ND		2.0	0.64	ug/L			11/09/13 03:22	2
Chloroform	ND		2.0	0.68	ug/L			11/09/13 03:22	2
Chloromethane	ND		2.0	0.70	ug/L			11/09/13 03:22	2
cis-1,2-Dichloroethene	180		2.0	1.6	ug/L			11/09/13 03:22	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/09/13 03:22	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/09/13 03:22	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/09/13 03:22	2
Styrene	ND		2.0	1.5	ug/L			11/09/13 03:22	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/09/13 03:22	2
Toluene	ND		2.0	1.0	ug/L			11/09/13 03:22	2
trans-1,2-Dichloroethene	3.5		2.0	1.8	ug/L			11/09/13 03:22	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/09/13 03:22	2
Trichloroethene	ND		2.0	0.92	ug/L			11/09/13 03:22	2
Vinyl chloride	12		2.0	1.8	ug/L			11/09/13 03:22	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/09/13 03:22	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/09/13 03:22	2
Toluene-d8 (Surr)	100			71 - 126				11/09/13 03:22	2
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 03:22	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-5S 103013

Lab Sample ID: 480-49115-37

Matrix: Water

Date Collected: 10/30/13 12:59
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/13 03:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 03:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 03:43	1
1,1-Dichloroethane	2.2		1.0	0.38	ug/L			11/09/13 03:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/13 03:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 03:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 03:43	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 03:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 03:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 03:43	1
Acetone	3.2 J		10	3.0	ug/L			11/09/13 03:43	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 03:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 03:43	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 03:43	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 03:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 03:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 03:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 03:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 03:43	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 03:43	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 03:43	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 03:43	1
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L			11/09/13 03:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 03:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 03:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 03:43	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 03:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 03:43	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 03:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 03:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 03:43	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/13 03:43	1
Vinyl chloride	8.2		1.0	0.90	ug/L			11/09/13 03:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 03:43	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			66 - 137				11/09/13 03:43	1
Toluene-d8 (Surr)	102			71 - 126				11/09/13 03:43	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 03:43	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: H-221 103013

Lab Sample ID: 480-49115-38

Matrix: Water

Date Collected: 10/30/13 13:05
 Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		1.0	0.82	ug/L			11/09/13 04:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 04:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 04:05	1
1,1-Dichloroethane	2.7		1.0	0.38	ug/L			11/09/13 04:05	1
1,1-Dichloroethene	2.2		1.0	0.29	ug/L			11/09/13 04:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 04:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 04:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 04:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 04:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 04:05	1
Acetone	4.2 J		10	3.0	ug/L			11/09/13 04:05	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 04:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 04:05	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 04:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 04:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 04:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 04:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 04:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 04:05	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 04:05	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 04:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 04:05	1
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L			11/09/13 04:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 04:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 04:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 04:05	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 04:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 04:05	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 04:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 04:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 04:05	1
Trichloroethene	69		1.0	0.46	ug/L			11/09/13 04:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/13 04:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 04:05	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109			66 - 137				11/09/13 04:05	1
Toluene-d8 (Surr)	101			71 - 126				11/09/13 04:05	1
4-Bromofluorobenzene (Surr)	97			73 - 120				11/09/13 04:05	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-2P 103013

Lab Sample ID: 480-49115-39

Matrix: Water

Date Collected: 10/30/13 13:37

Date Received: 10/31/13 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.85	J	1.0	0.82	ug/L			11/09/13 04:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/13 04:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/13 04:26	1
1,1-Dichloroethane	4.4		1.0	0.38	ug/L			11/09/13 04:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/13 04:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/13 04:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/13 04:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/13 04:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/13 04:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/13 04:26	1
Acetone	ND		10	3.0	ug/L			11/09/13 04:26	1
Benzene	ND		1.0	0.41	ug/L			11/09/13 04:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/13 04:26	1
Bromoform	ND		1.0	0.26	ug/L			11/09/13 04:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/13 04:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/13 04:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/13 04:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/13 04:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/13 04:26	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/13 04:26	1
Chloroform	ND		1.0	0.34	ug/L			11/09/13 04:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/13 04:26	1
cis-1,2-Dichloroethene	7.4		1.0	0.81	ug/L			11/09/13 04:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/13 04:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/13 04:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/13 04:26	1
Styrene	ND		1.0	0.73	ug/L			11/09/13 04:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/13 04:26	1
Toluene	ND		1.0	0.51	ug/L			11/09/13 04:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/13 04:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/13 04:26	1
Trichloroethene	7.7		1.0	0.46	ug/L			11/09/13 04:26	1
Vinyl chloride	1.5		1.0	0.90	ug/L			11/09/13 04:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/13 04:26	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			66 - 137				11/09/13 04:26	1
Toluene-d8 (Surr)	99			71 - 126				11/09/13 04:26	1
4-Bromofluorobenzene (Surr)	95			73 - 120				11/09/13 04:26	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-49115-2	AF-7P 103013	104	100	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-49115-1	Trip Blank 103013	103	100	97
480-49115-3	AF-7S 103013	106	101	97
480-49115-4	AF-7D 103013	103	100	97
480-49115-5	OSMW-3S 103013	103	100	97
480-49115-6	OSMW-3D 103013	106	99	96
480-49115-7	AF-25P 103013	107	101	97
480-49115-8	TMW-2S 103013	115	92	90
480-49115-9	TMW-2D 103013	108	99	96
480-49115-10	TMW-1S 103013	103	98	94
480-49115-11	TMW-1D 103013	105	100	96
480-49115-12	ADW-1D 103013	103	103	99
480-49115-13	OSMW-8S 103013	105	100	98
480-49115-14	OSMW-8D 103013	106	101	98
480-49115-15	OSMW-7D 103013	107	101	98
480-49115-16	OSMW-6S 103013	106	100	96
480-49115-17	OSMW-6D 103013	104	100	96
480-49115-17 - DL	OSMW-6D 103013	106	102	100
480-49115-18	OSMW-1P 103013	107	101	97
480-49115-19	OSMW-1S 103013	105	100	97
480-49115-20	OSMW-1D 103013	108	101	98
480-49115-21	AF-5P 103013	106	102	97
480-49115-22	AF-5S 103013	105	99	95
480-49115-23	AF-5D 103013	107	100	97
480-49115-23 MS	AF-5D 103013	108	98	101
480-49115-23 MSD	AF-5D 103013	107	98	99
480-49115-24	ADW-5D 103013	107	101	97
480-49115-25	AOC-PST-MW1SR 103013	109	102	98
480-49115-26	AOC-PST-MW2S 103013	109	101	96
480-49115-27	AOC-LD-MW1S 103013	107	101	97
480-49115-28	AF-23P 103013	107	101	97
480-49115-29	AF-2P 103013	107	103	97
480-49115-30	AF-3P 103013	109	99	94
480-49115-30 - DL	AF-3P 103013	107	101	96
480-49115-31	AF-24P 103013	109	101	97
480-49115-31 - DL	AF-24P 103013	101	101	97
480-49115-31 MS	AF-24P 103013	102	97	98

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-49115-31 MSD	AF-24P 103013	103	98	99
480-49115-32	OSMW-4S 103013	107	100	97
480-49115-32 MS	OSMW-4S 103013	108	99	101
480-49115-32 MSD	OSMW-4S 103013	107	98	99
480-49115-33	OSMW-4D 103013	107	100	97
480-49115-34	AF-21D 103013	106	100	96
480-49115-35	AF-9S 103013	113	100	95
480-49115-36	OSMW-5D 103013	107	100	97
480-49115-37	OSMW-5S 103013	107	102	97
480-49115-38	H-221 103013	109	101	97
480-49115-39	OSMW-2P 103013	106	99	95
LCS 480-150555/4	Lab Control Sample	105	99	100
LCS 480-150653/5	Lab Control Sample	104	100	102
LCS 480-150898/4	Lab Control Sample	106	98	100
LCS 480-151038/4	Lab Control Sample	100	97	99
MB 480-150555/6	Method Blank	96	93	89
MB 480-150653/7	Method Blank	103	99	95
MB 480-150898/6	Method Blank	104	101	97
MB 480-151038/6	Method Blank	102	99	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-150555/6

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		11/07/13 23:24	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		11/07/13 23:24	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		11/07/13 23:24	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		11/07/13 23:24	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		11/07/13 23:24	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		11/07/13 23:24	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		11/07/13 23:24	1
2-Hexanone	ND		1	5.0	1.2	ug/L		11/07/13 23:24	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		11/07/13 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		11/07/13 23:24	1
Acetone	ND		1	10	3.0	ug/L		11/07/13 23:24	1
Benzene	ND		1	1.0	0.41	ug/L		11/07/13 23:24	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		11/07/13 23:24	1
Bromoform	ND		1	1.0	0.26	ug/L		11/07/13 23:24	1
Bromomethane	ND		1	1.0	0.69	ug/L		11/07/13 23:24	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		11/07/13 23:24	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		11/07/13 23:24	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		11/07/13 23:24	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		11/07/13 23:24	1
Chloroethane	ND		1	1.0	0.32	ug/L		11/07/13 23:24	1
Chloroform	ND		1	1.0	0.34	ug/L		11/07/13 23:24	1
Chloromethane	ND		1	1.0	0.35	ug/L		11/07/13 23:24	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		11/07/13 23:24	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		11/07/13 23:24	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		11/07/13 23:24	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		11/07/13 23:24	1
Styrene	ND		1	1.0	0.73	ug/L		11/07/13 23:24	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		11/07/13 23:24	1
Toluene	ND		1	1.0	0.51	ug/L		11/07/13 23:24	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		11/07/13 23:24	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		11/07/13 23:24	1
Trichloroethene	ND		1	1.0	0.46	ug/L		11/07/13 23:24	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		11/07/13 23:24	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		11/07/13 23:24	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	96		1	66 - 137		11/07/13 23:24	
Toluene-d8 (Surr)	93		1	71 - 126		11/07/13 23:24	
4-Bromofluorobenzene (Surr)	89		1	73 - 120		11/07/13 23:24	

Lab Sample ID: LCS 480-150555/4

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS			%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L	110	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L	104	70 - 126	
1,1,2-Trichloroethane	25.0	25.5		ug/L	102	76 - 122	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150555/4

Matrix: Water

Analysis Batch: 150555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec.		Limits
	Added	Result	Qualifier	%Rec					
1,1-Dichloroethane	25.0	26.4		106	ug/L		71 - 129		
1,1-Dichloroethene	25.0	27.2		109	ug/L		58 - 121		
1,2-Dichloroethane	25.0	25.8		103	ug/L		75 - 127		
1,2-Dichloropropane	25.0	26.0		104	ug/L		76 - 120		
2-Hexanone	125	133		106	ug/L		65 - 127		
2-Butanone (MEK)	125	134		107	ug/L		57 - 140		
4-Methyl-2-pentanone (MIBK)	125	130		104	ug/L		71 - 125		
Acetone	125	124		100	ug/L		56 - 142		
Benzene	25.0	25.5		102	ug/L		71 - 124		
Bromodichloromethane	25.0	26.8		107	ug/L		80 - 122		
Bromoform	25.0	18.7		75	ug/L		66 - 128		
Bromomethane	25.0	23.2		93	ug/L		55 - 144		
Carbon disulfide	25.0	28.0		112	ug/L		59 - 134		
Carbon tetrachloride	25.0	27.6		111	ug/L		72 - 134		
Chlorobenzene	25.0	24.5		98	ug/L		72 - 120		
Dibromochloromethane	25.0	22.1		88	ug/L		75 - 125		
Chloroethane	25.0	22.2		89	ug/L		69 - 136		
Chloroform	25.0	25.7		103	ug/L		73 - 127		
Chloromethane	25.0	25.8		103	ug/L		68 - 124		
cis-1,2-Dichloroethene	25.0	26.1		105	ug/L		74 - 124		
cis-1,3-Dichloropropene	25.0	25.8		103	ug/L		74 - 124		
Ethylbenzene	25.0	25.1		100	ug/L		77 - 123		
Methylene Chloride	25.0	25.5		102	ug/L		57 - 132		
Styrene	25.0	26.5		106	ug/L		70 - 130		
Tetrachloroethene	25.0	24.9		100	ug/L		74 - 122		
Toluene	25.0	24.5		98	ug/L		80 - 122		
trans-1,2-Dichloroethene	25.0	26.8		107	ug/L		73 - 127		
trans-1,3-Dichloropropene	25.0	24.3		97	ug/L		72 - 123		
Trichloroethene	25.0	27.2		109	ug/L		74 - 123		
Vinyl chloride	25.0	25.0		100	ug/L		65 - 133		
Xylenes, Total	75.0	74.6		99	ug/L		76 - 122		

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: MB 480-150653/7

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 11:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 11:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 11:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 11:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 11:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 11:24	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-150653/7

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,2-Dichloropropane	ND				1.0	0.72	ug/L			11/08/13 11:24	1
2-Hexanone	ND				5.0	1.2	ug/L			11/08/13 11:24	1
2-Butanone (MEK)	ND				10	1.3	ug/L			11/08/13 11:24	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			11/08/13 11:24	1
Acetone	ND				10	3.0	ug/L			11/08/13 11:24	1
Benzene	ND				1.0	0.41	ug/L			11/08/13 11:24	1
Bromodichloromethane	ND				1.0	0.39	ug/L			11/08/13 11:24	1
Bromoform	ND				1.0	0.26	ug/L			11/08/13 11:24	1
Bromomethane	ND				1.0	0.69	ug/L			11/08/13 11:24	1
Carbon disulfide	ND				1.0	0.19	ug/L			11/08/13 11:24	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			11/08/13 11:24	1
Chlorobenzene	ND				1.0	0.75	ug/L			11/08/13 11:24	1
Dibromochloromethane	ND				1.0	0.32	ug/L			11/08/13 11:24	1
Chloroethane	ND				1.0	0.32	ug/L			11/08/13 11:24	1
Chloroform	ND				1.0	0.34	ug/L			11/08/13 11:24	1
Chloromethane	ND				1.0	0.35	ug/L			11/08/13 11:24	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			11/08/13 11:24	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			11/08/13 11:24	1
Ethylbenzene	ND				1.0	0.74	ug/L			11/08/13 11:24	1
Methylene Chloride	ND				1.0	0.44	ug/L			11/08/13 11:24	1
Styrene	ND				1.0	0.73	ug/L			11/08/13 11:24	1
Tetrachloroethene	ND				1.0	0.36	ug/L			11/08/13 11:24	1
Toluene	ND				1.0	0.51	ug/L			11/08/13 11:24	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			11/08/13 11:24	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			11/08/13 11:24	1
Trichloroethene	ND				1.0	0.46	ug/L			11/08/13 11:24	1
Vinyl chloride	ND				1.0	0.90	ug/L			11/08/13 11:24	1
Xylenes, Total	ND				2.0	0.66	ug/L			11/08/13 11:24	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	103		66 - 137				11/08/13 11:24	1
Toluene-d8 (Surr)	99		71 - 126				11/08/13 11:24	1
4-Bromofluorobenzene (Surr)	95		73 - 120				11/08/13 11:24	1

Lab Sample ID: LCS 480-150653/5

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec
1,1,1-Trichloroethane	25.0	25.3		ug/L	101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.6		ug/L	90	70 - 126
1,1,2-Trichloroethane	25.0	22.9		ug/L	92	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L	95	71 - 129
1,1-Dichloroethene	25.0	22.9		ug/L	92	58 - 121
1,2-Dichloroethane	25.0	23.8		ug/L	95	75 - 127
1,2-Dichloropropane	25.0	23.7		ug/L	95	76 - 120
2-Hexanone	125	122		ug/L	97	65 - 127
2-Butanone (MEK)	125	121		ug/L	97	57 - 140

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150653/5

Matrix: Water

Analysis Batch: 150653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	114		ug/L		91	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	17.8		ug/L		71	66 - 128
Bromomethane	25.0	20.3		ug/L		81	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	21.8		ug/L		87	72 - 120
Dibromochloromethane	25.0	20.9		ug/L		83	75 - 125
Chloroethane	25.0	20.1		ug/L		80	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	74 - 124
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123
Methylene Chloride	25.0	23.6		ug/L		94	57 - 132
Styrene	25.0	23.5		ug/L		94	70 - 130
Tetrachloroethene	25.0	22.1		ug/L		88	74 - 122
Toluene	25.0	22.0		ug/L		88	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	72 - 123
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Vinyl chloride	25.0	20.3		ug/L		81	65 - 133
Xylenes, Total	75.0	66.6		ug/L		89	76 - 122

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	100		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120

Lab Sample ID: 480-49115-23 MS

Matrix: Water

Analysis Batch: 150653

Client Sample ID: AF-5D 103013
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	32.6	F	ug/L		130	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	25.7		ug/L		103	70 - 126
1,1,2-Trichloroethane	ND		25.0	26.0		ug/L		104	76 - 122
1,1-Dichloroethane	ND		25.0	29.2		ug/L		117	71 - 129
1,1-Dichloroethene	ND		25.0	29.0		ug/L		116	58 - 121
1,2-Dichloroethane	ND		25.0	28.0		ug/L		112	75 - 127
1,2-Dichloropropane	ND		25.0	27.3		ug/L		109	76 - 120
2-Hexanone	ND		125	129		ug/L		103	65 - 127
2-Butanone (MEK)	ND		125	131		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	127		ug/L		102	71 - 125
Acetone	ND		125	126		ug/L		101	56 - 142
Benzene	ND		25.0	28.0		ug/L		112	71 - 124

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-23 MS

Matrix: Water

Analysis Batch: 150653

Client Sample ID: AF-5D 103013

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	%Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromodichloromethane	ND		25.0	29.2		ug/L		117	80 - 122
Bromoform	ND		25.0	19.8		ug/L		79	66 - 128
Bromomethane	ND		25.0	19.3		ug/L		77	55 - 144
Carbon disulfide	ND		25.0	28.7		ug/L		115	59 - 134
Carbon tetrachloride	ND		25.0	31.0		ug/L		124	72 - 134
Chlorobenzene	ND		25.0	25.4		ug/L		102	72 - 120
Dibromochloromethane	ND		25.0	23.2		ug/L		93	75 - 125
Chloroethane	ND		25.0	24.5		ug/L		98	69 - 136
Chloroform	ND		25.0	28.4		ug/L		114	73 - 127
Chloromethane	ND		25.0	16.9	F	ug/L		67	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.1		ug/L		96	74 - 124
Ethylbenzene	ND		25.0	26.4		ug/L		105	77 - 123
Methylene Chloride	ND		25.0	28.0		ug/L		112	57 - 132
Styrene	ND		25.0	24.3		ug/L		97	70 - 130
Tetrachloroethene	ND		25.0	26.5		ug/L		106	74 - 122
Toluene	ND		25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.3		ug/L		117	73 - 127
trans-1,3-Dichloropropene	ND		25.0	22.7		ug/L		91	72 - 123
Trichloroethene	ND		25.0	29.4		ug/L		117	74 - 123
Vinyl chloride	ND		25.0	26.4		ug/L		106	65 - 133
Xylenes, Total	ND		75.0	75.9		ug/L		101	76 - 122

MS

MS

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	101		73 - 120

Lab Sample ID: 480-49115-23 MSD

Matrix: Water

Analysis Batch: 150653

Client Sample ID: AF-5D 103013

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	31.8	F	ug/L		127	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.4		ug/L		102	70 - 126	1	15
1,1,2-Trichloroethane	ND		25.0	25.3		ug/L		101	76 - 122	2	15
1,1-Dichloroethane	ND		25.0	28.6		ug/L		114	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	58 - 121	1	16
1,2-Dichloroethane	ND		25.0	27.3		ug/L		109	75 - 127	3	20
1,2-Dichloropropane	ND		25.0	27.3		ug/L		109	76 - 120	0	20
2-Hexanone	ND		125	127		ug/L		102	65 - 127	2	15
2-Butanone (MEK)	ND		125	132		ug/L		105	57 - 140	0	20
4-Methyl-2-pentanone (MIBK)	ND		125	128		ug/L		102	71 - 125	1	35
Acetone	ND		125	126		ug/L		101	56 - 142	0	15
Benzene	ND		25.0	27.4		ug/L		109	71 - 124	2	13
Bromodichloromethane	ND		25.0	29.1		ug/L		116	80 - 122	0	15
Bromoform	ND		25.0	20.9		ug/L		84	66 - 128	6	15
Bromomethane	ND		25.0	18.9		ug/L		75	55 - 144	2	15

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-23 MSD

Matrix: Water

Analysis Batch: 150653

Client Sample ID: AF-5D 103013
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.		RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier			%Rec.	Limits		
Carbon disulfide	ND		25.0	29.4		ug/L		118	59 - 134	3	15
Carbon tetrachloride	ND		25.0	30.6		ug/L		122	72 - 134	1	15
Chlorobenzene	ND		25.0	25.2		ug/L		101	72 - 120	1	25
Dibromochloromethane	ND		25.0	23.8		ug/L		95	75 - 125	3	15
Chloroethane	ND		25.0	24.7		ug/L		99	69 - 136	1	15
Chloroform	ND		25.0	28.1		ug/L		112	73 - 127	1	20
Chloromethane	ND		25.0	16.8 F		ug/L		67	68 - 124	0	15
cis-1,2-Dichloroethene	ND		25.0	27.9		ug/L		112	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	24.5		ug/L		98	74 - 124	2	15
Ethylbenzene	ND		25.0	26.2		ug/L		105	77 - 123	1	15
Methylene Chloride	ND		25.0	27.4		ug/L		110	57 - 132	2	15
Styrene	ND		25.0	26.8		ug/L		107	70 - 130	10	20
Tetrachloroethene	ND		25.0	26.0		ug/L		104	74 - 122	2	20
Toluene	ND		25.0	25.5		ug/L		102	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	23.0		ug/L		92	72 - 123	1	15
Trichloroethene	ND		25.0	29.3		ug/L		117	74 - 123	0	16
Vinyl chloride	ND		25.0	25.7		ug/L		103	65 - 133	3	15
Xylenes, Total	ND		75.0	76.7		ug/L		102	76 - 122	1	16
MSD		MSD									
Surrogate	%Recovery	Qualifier		Limits							
1,2-Dichloroethane-d4 (Surr)	107			66 - 137							
Toluene-d8 (Surr)	98			71 - 126							
4-Bromofluorobenzene (Surr)	99			73 - 120							

Lab Sample ID: MB 480-150898/6

Matrix: Water

Analysis Batch: 150898

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed		Dil Fac
	Result	Qualifier						%Recovery	Qualifier	
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/13 23:45		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/13 23:45		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/13 23:45		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/13 23:45		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/13 23:45		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/13 23:45		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/13 23:45		1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/13 23:45		1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/13 23:45		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/13 23:45		1
Acetone	ND		10	3.0	ug/L			11/08/13 23:45		1
Benzene	ND		1.0	0.41	ug/L			11/08/13 23:45		1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/13 23:45		1
Bromoform	ND		1.0	0.26	ug/L			11/08/13 23:45		1
Bromomethane	ND		1.0	0.69	ug/L			11/08/13 23:45		1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/13 23:45		1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/13 23:45		1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/13 23:45		1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-150898/6

Matrix: Water

Analysis Batch: 150898

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ND	ND									
Dibromochloromethane			ND		1.0	0.32	ug/L			11/08/13 23:45	1
Chloroethane			ND		1.0	0.32	ug/L			11/08/13 23:45	1
Chloroform			ND		1.0	0.34	ug/L			11/08/13 23:45	1
Chloromethane			ND		1.0	0.35	ug/L			11/08/13 23:45	1
cis-1,2-Dichloroethene			ND		1.0	0.81	ug/L			11/08/13 23:45	1
cis-1,3-Dichloropropene			ND		1.0	0.36	ug/L			11/08/13 23:45	1
Ethylbenzene			ND		1.0	0.74	ug/L			11/08/13 23:45	1
Methylene Chloride			ND		1.0	0.44	ug/L			11/08/13 23:45	1
Styrene			ND		1.0	0.73	ug/L			11/08/13 23:45	1
Tetrachloroethene			ND		1.0	0.36	ug/L			11/08/13 23:45	1
Toluene			ND		1.0	0.51	ug/L			11/08/13 23:45	1
trans-1,2-Dichloroethene			ND		1.0	0.90	ug/L			11/08/13 23:45	1
trans-1,3-Dichloropropene			ND		1.0	0.37	ug/L			11/08/13 23:45	1
Trichloroethene			ND		1.0	0.46	ug/L			11/08/13 23:45	1
Vinyl chloride			ND		1.0	0.90	ug/L			11/08/13 23:45	1
Xylenes, Total			ND		2.0	0.66	ug/L			11/08/13 23:45	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	ND	ND						
1,2-Dichloroethane-d4 (Surr)			104		66 - 137			1
Toluene-d8 (Surr)			101		71 - 126			1
4-Bromofluorobenzene (Surr)			97		73 - 120			1

Lab Sample ID: LCS 480-150898/4

Matrix: Water

Analysis Batch: 150898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS			Unit	D	%Rec	Limits	%Rec.
		Added	Result	Qualifier					
1,1,1-Trichloroethane		25.0	28.6		ug/L		114	73 - 126	
1,1,2,2-Tetrachloroethane		25.0	25.4		ug/L		101	70 - 126	
1,1,2-Trichloroethane		25.0	25.3		ug/L		101	76 - 122	
1,1-Dichloroethane		25.0	26.1		ug/L		104	71 - 129	
1,1-Dichloroethene		25.0	25.1		ug/L		100	58 - 121	
1,2-Dichloroethane		25.0	26.3		ug/L		105	75 - 127	
1,2-Dichloropropane		25.0	25.7		ug/L		103	76 - 120	
2-Hexanone		125	130		ug/L		104	65 - 127	
2-Butanone (MEK)		125	132		ug/L		105	57 - 140	
4-Methyl-2-pentanone (MIBK)		125	129		ug/L		103	71 - 125	
Acetone		125	124		ug/L		100	56 - 142	
Benzene		25.0	25.2		ug/L		101	71 - 124	
Bromodichloromethane		25.0	28.2		ug/L		113	80 - 122	
Bromoform		25.0	21.1		ug/L		85	66 - 128	
Bromomethane		25.0	21.7		ug/L		87	55 - 144	
Carbon disulfide		25.0	25.2		ug/L		101	59 - 134	
Carbon tetrachloride		25.0	28.3		ug/L		113	72 - 134	
Chlorobenzene		25.0	23.9		ug/L		96	72 - 120	
Dibromochloromethane		25.0	23.5		ug/L		94	75 - 125	
Chloroethane		25.0	22.2		ug/L		89	69 - 136	
Chloroform		25.0	25.8		ug/L		103	73 - 127	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-150898/4

Matrix: Water

Analysis Batch: 150898

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
Chloromethane	25.0	20.6		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Methylene Chloride	25.0	25.6		ug/L		102	57 - 132
Styrene	25.0	25.8		ug/L		103	70 - 130
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	26.7		ug/L		107	74 - 123
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133
Xylenes, Total	75.0	72.2		ug/L		96	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: 480-49115-32 MS

Matrix: Water

Analysis Batch: 150898

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	34.6	F	ug/L		138	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.8		ug/L		111	70 - 126
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122
1,1-Dichloroethane	ND		25.0	32.0		ug/L		128	71 - 129
1,1-Dichloroethene	ND		25.0	30.9	F	ug/L		123	58 - 121
1,2-Dichloroethane	ND		25.0	29.6		ug/L		118	75 - 127
1,2-Dichloropropane	ND		25.0	29.5		ug/L		118	76 - 120
2-Hexanone	ND		125	138		ug/L		110	65 - 127
2-Butanone (MEK)	ND		125	141		ug/L		113	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	136		ug/L		109	71 - 125
Acetone	5.0	J	125	139		ug/L		107	56 - 142
Benzene	ND		25.0	29.5		ug/L		118	71 - 124
Bromodichlormethane	ND		25.0	31.9	F	ug/L		128	80 - 122
Bromoform	ND		25.0	22.5		ug/L		90	66 - 128
Bromomethane	ND		25.0	20.8		ug/L		83	55 - 144
Carbon disulfide	ND		25.0	33.3		ug/L		133	59 - 134
Carbon tetrachloride	ND		25.0	31.4		ug/L		126	72 - 134
Chlorobenzene	ND		25.0	27.4		ug/L		110	72 - 120
Dibromochlormethane	ND		25.0	25.8		ug/L		103	75 - 125
Chloroethane	ND		25.0	28.9		ug/L		116	69 - 136
Chloroform	ND		25.0	30.2		ug/L		121	73 - 127
Chloromethane	ND		25.0	21.8		ug/L		87	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.6		ug/L		122	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.9		ug/L		104	74 - 124

Client Sample ID: OSMW-4S 103013
Prep Type: Total/NA

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-32 MS

Matrix: Water

Analysis Batch: 150898

Client Sample ID: OSMW-4S 103013

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123
Methylene Chloride	ND		25.0	29.8		ug/L		119	57 - 132
Styrene	ND		25.0	28.5		ug/L		114	70 - 130
Tetrachloroethene	ND		25.0	28.3		ug/L		113	74 - 122
Toluene	ND		25.0	27.4		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		25.0	31.5		ug/L		126	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.9		ug/L		96	72 - 123
Trichloroethene	ND		25.0	31.6	F	ug/L		126	74 - 123
Vinyl chloride	20		25.0	76.8	F	ug/L		225	65 - 133
Xylenes, Total	ND		75.0	82.9		ug/L		111	76 - 122
MS MS									
Surrogate	Sample	Sample	MS	MS	Qualifer	Limits			
1,2-Dichloroethane-d4 (Surr)	108					66 - 137			
Toluene-d8 (Surr)	99					71 - 126			
4-Bromofluorobenzene (Surr)	101					73 - 120			

Lab Sample ID: 480-49115-32 MSD

Matrix: Water

Analysis Batch: 150898

Client Sample ID: OSMW-4S 103013

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	35.4	F	ug/L		142	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.8		ug/L		111	70 - 126	0	15
1,1,2-Trichloroethane	ND		25.0	28.1		ug/L		112	76 - 122	1	15
1,1-Dichloroethane	ND		25.0	31.4		ug/L		126	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	29.7		ug/L		119	58 - 121	4	16
1,2-Dichloroethane	ND		25.0	29.6		ug/L		118	75 - 127	0	20
1,2-Dichloropropane	ND		25.0	29.7		ug/L		119	76 - 120	1	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	5	15
2-Butanone (MEK)	ND		125	146		ug/L		117	57 - 140	4	20
4-Methyl-2-pentanone (MIBK)	ND		125	142		ug/L		114	71 - 125	4	35
Acetone	5.0	J	125	143		ug/L		111	56 - 142	3	15
Benzene	ND		25.0	29.4		ug/L		117	71 - 124	1	13
Bromodichloromethane	ND		25.0	32.4	F	ug/L		130	80 - 122	2	15
Bromoform	ND		25.0	23.6		ug/L		94	66 - 128	5	15
Bromomethane	ND		25.0	23.0		ug/L		92	55 - 144	10	15
Carbon disulfide	ND		25.0	33.3		ug/L		133	59 - 134	0	15
Carbon tetrachloride	ND		25.0	33.5		ug/L		134	72 - 134	6	15
Chlorobenzene	ND		25.0	27.5		ug/L		110	72 - 120	0	25
Dibromochloromethane	ND		25.0	26.3		ug/L		105	75 - 125	2	15
Chloroethane	ND		25.0	30.0		ug/L		120	69 - 136	4	15
Chloroform	ND		25.0	30.1		ug/L		120	73 - 127	0	20
Chloromethane	ND		25.0	22.6		ug/L		90	68 - 124	4	15
cis-1,2-Dichloroethene	ND		25.0	30.3		ug/L		121	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	26.0		ug/L		104	74 - 124	0	15
Ethylbenzene	ND		25.0	28.5		ug/L		114	77 - 123	1	15
Methylene Chloride	ND		25.0	29.4		ug/L		118	57 - 132	1	15
Styrene	ND		25.0	28.4		ug/L		114	70 - 130	0	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-32 MSD

Matrix: Water

Analysis Batch: 150898

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Tetrachloroethene	ND		25.0	28.5		ug/L		114	74 - 122	0	20
Toluene	ND		25.0	27.9		ug/L		112	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	30.8		ug/L		123	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	24.5		ug/L		98	72 - 123	2	15
Trichloroethene	ND		25.0	31.3	F	ug/L		125	74 - 123	1	16
Vinyl chloride	20		25.0	74.2	F	ug/L		215	65 - 133	3	15
Xylenes, Total	ND		75.0	83.5		ug/L		111	76 - 122	1	16
<hr/>											
Surrogate		MSD	MSD								
Surrogate		%Recovery	Qualifier			Limits					
1,2-Dichloroethane-d4 (Surr)	107			66 - 137							
Toluene-d8 (Surr)	98			71 - 126							
4-Bromofluorobenzene (Surr)	99			73 - 120							

Lab Sample ID: MB 480-151038/6

Matrix: Water

Analysis Batch: 151038

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/11/13 01:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/13 01:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/13 01:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/11/13 01:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/11/13 01:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/13 01:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/13 01:08	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/13 01:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/13 01:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/13 01:08	1
Acetone	ND		10	3.0	ug/L			11/11/13 01:08	1
Benzene	ND		1.0	0.41	ug/L			11/11/13 01:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/13 01:08	1
Bromoform	ND		1.0	0.26	ug/L			11/11/13 01:08	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/13 01:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/13 01:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/13 01:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/13 01:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/13 01:08	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/13 01:08	1
Chloroform	ND		1.0	0.34	ug/L			11/11/13 01:08	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/13 01:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/13 01:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/13 01:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/13 01:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/13 01:08	1
Styrene	ND		1.0	0.73	ug/L			11/11/13 01:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/13 01:08	1
Toluene	ND		1.0	0.51	ug/L			11/11/13 01:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/13 01:08	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-151038/6

Matrix: Water

Analysis Batch: 151038

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ND	ND									
trans-1,3-Dichloropropene	ND	ND			1.0	0.37	ug/L			11/11/13 01:08	1
Trichloroethene	ND	ND			1.0	0.46	ug/L			11/11/13 01:08	1
Vinyl chloride	ND	ND			1.0	0.90	ug/L			11/11/13 01:08	1
Xylenes, Total	ND	ND			2.0	0.66	ug/L			11/11/13 01:08	1

MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	102	66 - 137						
1,2-Dichloroethane-d4 (Surr)	99	71 - 126					11/11/13 01:08	1
Toluene-d8 (Surr)	95	73 - 120					11/11/13 01:08	1
4-Bromofluorobenzene (Surr)							11/11/13 01:08	1

Lab Sample ID: LCS 480-151038/4

Matrix: Water

Analysis Batch: 151038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCs	LCs	Result	Qualifier	Unit	D	%Rec	Limits	%Rec.
		Added	Result							
1,1,1-Trichloroethane	25.0	27.6	ug/L				110	73 - 126		
1,1,2,2-Tetrachloroethane	25.0	26.9	ug/L				108	70 - 126		
1,1,2-Trichloroethane	25.0	25.9	ug/L				104	76 - 122		
1,1-Dichloroethane	25.0	26.4	ug/L				106	71 - 129		
1,1-Dichloroethene	25.0	26.3	ug/L				105	58 - 121		
1,2-Dichloroethane	25.0	26.3	ug/L				105	75 - 127		
1,2-Dichloropropane	25.0	25.6	ug/L				102	76 - 120		
2-Hexanone	125	127	ug/L				102	65 - 127		
2-Butanone (MEK)	125	128	ug/L				103	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	126	ug/L				101	71 - 125		
Acetone	125	119	ug/L				95	56 - 142		
Benzene	25.0	24.9	ug/L				100	71 - 124		
Bromodichloromethane	25.0	28.6	ug/L				114	80 - 122		
Bromoform	25.0	24.4	ug/L				98	66 - 128		
Bromomethane	25.0	20.7	ug/L				83	55 - 144		
Carbon disulfide	25.0	25.9	ug/L				103	59 - 134		
Carbon tetrachloride	25.0	27.8	ug/L				111	72 - 134		
Chlorobenzene	25.0	24.4	ug/L				98	72 - 120		
Dibromochloromethane	25.0	25.5	ug/L				102	75 - 125		
Chloroethane	25.0	20.5	ug/L				82	69 - 136		
Chloroform	25.0	25.7	ug/L				103	73 - 127		
Chloromethane	25.0	23.9	ug/L				96	68 - 124		
cis-1,2-Dichloroethene	25.0	25.8	ug/L				103	74 - 124		
cis-1,3-Dichloropropene	25.0	26.5	ug/L				106	74 - 124		
Ethylbenzene	25.0	24.7	ug/L				99	77 - 123		
Methylene Chloride	25.0	25.9	ug/L				104	57 - 132		
Styrene	25.0	26.2	ug/L				105	70 - 130		
Tetrachloroethene	25.0	24.6	ug/L				98	74 - 122		
Toluene	25.0	24.3	ug/L				97	80 - 122		
trans-1,2-Dichloroethene	25.0	26.2	ug/L				105	73 - 127		
trans-1,3-Dichloropropene	25.0	25.8	ug/L				103	72 - 123		
Trichloroethene	25.0	26.8	ug/L				107	74 - 123		
Vinyl chloride	25.0	22.6	ug/L				90	65 - 133		

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-151038/4

Matrix: Water

Analysis Batch: 151038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec.	
	Added	%					ug/L	%Rec
Xylenes, Total	75.0		73.0			97	76 - 122	
Surrogate								
1,2-Dichloroethane-d4 (Sur)	100		66 - 137					
Toluene-d8 (Sur)	97		71 - 126					
4-Bromofluorobenzene (Sur)	99		73 - 120					

Lab Sample ID: 480-49115-31 MS

Matrix: Water

Analysis Batch: 151038

Client Sample ID: AF-24P 103013
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	
	Result	Qualifier	Added	Result	Qualifier			%Rec	Limits
1,1,1-Trichloroethane	480		250	806	F	ug/L	130	73 - 126	
1,1,2,2-Tetrachloroethane	ND		250	266		ug/L	106	70 - 126	
1,1,2-Trichloroethane	ND		250	265		ug/L	106	76 - 122	
1,1-Dichloroethane	140		250	417		ug/L	112	71 - 129	
1,1-Dichloroethene	88		250	364		ug/L	110	58 - 121	
1,2-Dichloroethane	ND		250	273		ug/L	109	75 - 127	
1,2-Dichloropropane	ND		250	261		ug/L	104	76 - 120	
2-Hexanone	ND		1250	1320		ug/L	106	65 - 127	
2-Butanone (MEK)	ND		1250	1330		ug/L	106	57 - 140	
4-Methyl-2-pentanone (MIBK)	ND		1250	1310		ug/L	105	71 - 125	
Acetone	ND		1250	1240		ug/L	99	56 - 142	
Benzene	ND		250	259		ug/L	104	71 - 124	
Bromodichloromethane	ND		250	277		ug/L	111	80 - 122	
Bromoform	ND		250	193		ug/L	77	66 - 128	
Bromomethane	ND		250	196		ug/L	79	55 - 144	
Carbon disulfide	ND		250	236		ug/L	94	59 - 134	
Carbon tetrachloride	ND		250	288		ug/L	115	72 - 134	
Chlorobenzene	ND		250	247		ug/L	99	72 - 120	
Dibromochloromethane	ND		250	229		ug/L	91	75 - 125	
Chloroethane	ND		250	199		ug/L	80	69 - 136	
Chloroform	ND		250	267		ug/L	107	73 - 127	
Chloromethane	ND		250	228		ug/L	91	68 - 124	
cis-1,2-Dichloroethene	370		250	636		ug/L	107	74 - 124	
cis-1,3-Dichloropropene	ND		250	238		ug/L	95	74 - 124	
Ethylbenzene	ND		250	252		ug/L	101	77 - 123	
Methylene Chloride	ND		250	262		ug/L	105	57 - 132	
Styrene	ND		250	259		ug/L	104	70 - 130	
Tetrachloroethene	5.2	J	250	254		ug/L	100	74 - 122	
Toluene	ND		250	246		ug/L	98	80 - 122	
trans-1,2-Dichloroethene	26		250	299		ug/L	109	73 - 127	
trans-1,3-Dichloropropene	ND		250	232		ug/L	93	72 - 123	
Trichloroethene	310		250	591		ug/L	111	74 - 123	
Vinyl chloride	ND		250	243		ug/L	97	65 - 133	
Xylenes, Total	ND		750	746		ug/L	99	76 - 122	

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-31 MS

Matrix: Water

Analysis Batch: 151038

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120

Lab Sample ID: 480-49115-31 MSD

Matrix: Water

Analysis Batch: 151038

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1,1-Trichloroethane	480		250	843	F	ug/L	145	73 - 126	4	15		
1,1,2,2-Tetrachloroethane	ND		250	269		ug/L	108	70 - 126	1	15		
1,1,2-Trichloroethane	ND		250	270		ug/L	108	76 - 122	2	15		
1,1-Dichloroethane	140		250	424		ug/L	115	71 - 129	2	20		
1,1-Dichloroethene	88		250	371		ug/L	113	58 - 121	2	16		
1,2-Dichloroethane	ND		250	282		ug/L	113	75 - 127	3	20		
1,2-Dichloropropane	ND		250	272		ug/L	109	76 - 120	4	20		
2-Hexanone	ND		1250	1330		ug/L	106	65 - 127	0	15		
2-Butanone (MEK)	ND		1250	1300		ug/L	104	57 - 140	2	20		
4-Methyl-2-pentanone (MIBK)	ND		1250	1290		ug/L	104	71 - 125	1	35		
Acetone	ND		1250	1230		ug/L	99	56 - 142	0	15		
Benzene	ND		250	269		ug/L	108	71 - 124	4	13		
Bromodichloromethane	ND		250	293		ug/L	117	80 - 122	5	15		
Bromoform	ND		250	202		ug/L	81	66 - 128	5	15		
Bromomethane	ND		250	217		ug/L	87	55 - 144	10	15		
Carbon disulfide	ND		250	230		ug/L	92	59 - 134	3	15		
Carbon tetrachloride	ND		250	310		ug/L	124	72 - 134	7	15		
Chlorobenzene	ND		250	256		ug/L	102	72 - 120	4	25		
Dibromochloromethane	ND		250	237		ug/L	95	75 - 125	4	15		
Chloroethane	ND		250	215		ug/L	86	69 - 136	8	15		
Chloroform	ND		250	278		ug/L	111	73 - 127	4	20		
Chloromethane	ND		250	257		ug/L	103	68 - 124	12	15		
cis-1,2-Dichloroethene	370		250	644		ug/L	110	74 - 124	1	15		
cis-1,3-Dichloropropene	ND		250	255		ug/L	102	74 - 124	7	15		
Ethylbenzene	ND		250	264		ug/L	105	77 - 123	4	15		
Methylene Chloride	ND		250	271		ug/L	109	57 - 132	3	15		
Styrene	ND		250	271		ug/L	109	70 - 130	5	20		
Tetrachloroethene	5.2	J	250	268		ug/L	105	74 - 122	5	20		
Toluene	ND		250	257		ug/L	103	80 - 122	5	15		
trans-1,2-Dichloroethene	26		250	310		ug/L	113	73 - 127	3	20		
trans-1,3-Dichloropropene	ND		250	245		ug/L	98	72 - 123	6	15		
Trichloroethene	310		250	600		ug/L	115	74 - 123	1	16		
Vinyl chloride	ND		250	261		ug/L	104	65 - 133	7	15		
Xylenes, Total	ND		750	773		ug/L	103	76 - 122	4	16		

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	98		71 - 126

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-49115-31 MSD

Matrix: Water

Analysis Batch: 151038

Client Sample ID: AF-24P 103013
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		73 - 120

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

GC/MS VOA

Analysis Batch: 150555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49115-1	Trip Blank 103013	Total/NA	Water	8260C	
480-49115-2	AF-7P 103013	Total/NA	Ground Water	8260C	
480-49115-3	AF-7S 103013	Total/NA	Water	8260C	
480-49115-4	AF-7D 103013	Total/NA	Water	8260C	
480-49115-5	OSMW-3S 103013	Total/NA	Water	8260C	
480-49115-6	OSMW-3D 103013	Total/NA	Water	8260C	
480-49115-7	AF-25P 103013	Total/NA	Water	8260C	
480-49115-8	TMW-2S 103013	Total/NA	Water	8260C	
480-49115-10	TMW-1S 103013	Total/NA	Water	8260C	
480-49115-11	TMW-1D 103013	Total/NA	Water	8260C	
480-49115-12	ADW-1D 103013	Total/NA	Water	8260C	
LCS 480-150555/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-150555/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 150653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49115-9	TMW-2D 103013	Total/NA	Water	8260C	
480-49115-13	OSMW-8S 103013	Total/NA	Water	8260C	
480-49115-14	OSMW-8D 103013	Total/NA	Water	8260C	
480-49115-15	OSMW-7D 103013	Total/NA	Water	8260C	
480-49115-16	OSMW-6S 103013	Total/NA	Water	8260C	
480-49115-17	OSMW-6D 103013	Total/NA	Water	8260C	
480-49115-18	OSMW-1P 103013	Total/NA	Water	8260C	
480-49115-19	OSMW-1S 103013	Total/NA	Water	8260C	
480-49115-20	OSMW-1D 103013	Total/NA	Water	8260C	
480-49115-21	AF-5P 103013	Total/NA	Water	8260C	
480-49115-22	AF-5S 103013	Total/NA	Water	8260C	
480-49115-23	AF-5D 103013	Total/NA	Water	8260C	
480-49115-23 MS	AF-5D 103013	Total/NA	Water	8260C	
480-49115-23 MSD	AF-5D 103013	Total/NA	Water	8260C	
480-49115-24	ADW-5D 103013	Total/NA	Water	8260C	
480-49115-25	AOC-PST-MW1SR 103013	Total/NA	Water	8260C	
480-49115-26	AOC-PST-MW2S 103013	Total/NA	Water	8260C	
480-49115-27	AOC-LD-MW1S 103013	Total/NA	Water	8260C	
480-49115-28	AF-23P 103013	Total/NA	Water	8260C	
480-49115-29	AF-2P 103013	Total/NA	Water	8260C	
480-49115-30	AF-3P 103013	Total/NA	Water	8260C	
LCS 480-150653/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-150653/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 150898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49115-17 - DL	OSMW-6D 103013	Total/NA	Water	8260C	
480-49115-30 - DL	AF-3P 103013	Total/NA	Water	8260C	
480-49115-31	AF-24P 103013	Total/NA	Water	8260C	
480-49115-32	OSMW-4S 103013	Total/NA	Water	8260C	
480-49115-32 MS	OSMW-4S 103013	Total/NA	Water	8260C	
480-49115-32 MSD	OSMW-4S 103013	Total/NA	Water	8260C	
480-49115-33	OSMW-4D 103013	Total/NA	Water	8260C	
480-49115-34	AF-21D 103013	Total/NA	Water	8260C	
480-49115-35	AF-9S 103013	Total/NA	Water	8260C	

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

GC/MS VOA (Continued)

Analysis Batch: 150898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49115-36	OSMW-5D 103013	Total/NA	Water	8260C	
480-49115-37	OSMW-5S 103013	Total/NA	Water	8260C	
480-49115-38	H-221 103013	Total/NA	Water	8260C	
480-49115-39	OSMW-2P 103013	Total/NA	Water	8260C	
LCS 480-150898/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-150898/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 151038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-49115-31 - DL	AF-24P 103013	Total/NA	Water	8260C	
480-49115-31 MS	AF-24P 103013	Total/NA	Water	8260C	
480-49115-31 MSD	AF-24P 103013	Total/NA	Water	8260C	
LCS 480-151038/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-151038/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Client Sample ID: Trip Blank 103013

Lab Sample ID: 480-49115-1

Matrix: Water

Date Collected: 10/30/13 00:00
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 02:49	NQN	TAL BUF

Client Sample ID: AF-7P 103013

Lab Sample ID: 480-49115-2

Matrix: Ground Water

Date Collected: 10/30/13 08:28
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 03:11	NQN	TAL BUF

Client Sample ID: AF-7S 103013

Lab Sample ID: 480-49115-3

Matrix: Water

Date Collected: 10/30/13 08:44
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	150555	11/08/13 03:33	NQN	TAL BUF

Client Sample ID: AF-7D 103013

Lab Sample ID: 480-49115-4

Matrix: Water

Date Collected: 10/30/13 08:56
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 03:55	NQN	TAL BUF

Client Sample ID: OSMW-3S 103013

Lab Sample ID: 480-49115-5

Matrix: Water

Date Collected: 10/30/13 09:26
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 04:17	NQN	TAL BUF

Client Sample ID: OSMW-3D 103013

Lab Sample ID: 480-49115-6

Matrix: Water

Date Collected: 10/30/13 09:36
Date Received: 10/31/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 04:38	NQN	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Client Sample ID: AF-25P 103013

Date Collected: 10/30/13 09:52
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	150555	11/08/13 05:00	NQN	TAL BUF

Client Sample ID: TMW-2S 103013

Date Collected: 10/30/13 10:18
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 05:22	NQN	TAL BUF

Client Sample ID: TMW-2D 103013

Date Collected: 10/30/13 10:32
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	150653	11/08/13 13:11	NMD1	TAL BUF

Client Sample ID: TMW-1S 103013

Date Collected: 10/30/13 11:00
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 06:06	NQN	TAL BUF

Client Sample ID: TMW-1D 103013

Date Collected: 10/30/13 11:14
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 06:27	NQN	TAL BUF

Client Sample ID: ADW-1D 103013

Date Collected: 10/30/13 11:20
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150555	11/08/13 06:49	NQN	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Client Sample ID: OSMW-8S 103013

Date Collected: 10/30/13 11:48
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 13:33	NMD1	TAL BUF

Client Sample ID: OSMW-8D 103013

Date Collected: 10/30/13 11:56
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 13:55	NMD1	TAL BUF

Client Sample ID: OSMW-7D 103013

Date Collected: 10/30/13 12:16
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 14:17	NMD1	TAL BUF

Client Sample ID: OSMW-6S 103013

Date Collected: 10/30/13 12:46
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 14:38	NMD1	TAL BUF

Client Sample ID: OSMW-6D 103013

Date Collected: 10/30/13 12:53
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 15:00	NMD1	TAL BUF
Total/NA	Analysis	8260C	DL	4	150898	11/09/13 00:07	NMD1	TAL BUF

Client Sample ID: OSMW-1P 103013

Date Collected: 10/30/13 13:30
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 15:22	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: OSMW-1S 103013

Date Collected: 10/30/13 13:40
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	150653	11/08/13 15:44	NMD1	TAL BUF

Client Sample ID: OSMW-1D 103013

Date Collected: 10/30/13 13:50
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 16:06	NMD1	TAL BUF

Client Sample ID: AF-5P 103013

Date Collected: 10/30/13 14:03
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	150653	11/08/13 16:28	NMD1	TAL BUF

Client Sample ID: AF-5S 103013

Date Collected: 10/30/13 14:10
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 16:50	NMD1	TAL BUF

Client Sample ID: AF-5D 103013

Date Collected: 10/30/13 14:20
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 17:11	NMD1	TAL BUF

Client Sample ID: ADW-5D 103013

Date Collected: 10/30/13 14:30
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 17:33	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AOC-PST-MW1SR 103013

Date Collected: 10/30/13 08:45
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 17:55	NMD1	TAL BUF

Client Sample ID: AOC-PST-MW2S 103013

Date Collected: 10/30/13 08:57
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 18:16	NMD1	TAL BUF

Client Sample ID: AOC-LD-MW1S 103013

Date Collected: 10/30/13 09:13
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	150653	11/08/13 18:38	NMD1	TAL BUF

Client Sample ID: AF-23P 103013

Date Collected: 10/30/13 09:41
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	150653	11/08/13 19:00	NMD1	TAL BUF

Client Sample ID: AF-2P 103013

Date Collected: 10/30/13 10:11
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 19:22	NMD1	TAL BUF

Client Sample ID: AF-3P 103013

Date Collected: 10/30/13 10:21
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150653	11/08/13 19:44	NMD1	TAL BUF
Total/NA	Analysis	8260C	DL	2	150898	11/09/13 00:29	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Client Sample ID: AF-24P 103013

Date Collected: 10/30/13 10:33
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	150898	11/09/13 00:51	NMD1	TAL BUF
Total/NA	Analysis	8260C	DL	10	151038	11/11/13 01:52	NQN	TAL BUF

Client Sample ID: OSMW-4S 103013

Date Collected: 10/30/13 10:59
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 01:13	NMD1	TAL BUF

Client Sample ID: OSMW-4D 103013

Date Collected: 10/30/13 11:05
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 02:17	NMD1	TAL BUF

Client Sample ID: AF-21D 103013

Date Collected: 10/30/13 11:43
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 02:39	NMD1	TAL BUF

Client Sample ID: AF-9S 103013

Date Collected: 10/30/13 12:03
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 03:00	NMD1	TAL BUF

Client Sample ID: OSMW-5D 103013

Date Collected: 10/30/13 12:39
 Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	150898	11/09/13 03:22	NMD1	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Client Sample ID: OSMW-5S 103013

Date Collected: 10/30/13 12:59
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 03:43	NMD1	TAL BUF

Client Sample ID: H-221 103013

Date Collected: 10/30/13 13:05
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 04:05	NMD1	TAL BUF

Client Sample ID: OSMW-2P 103013

Date Collected: 10/30/13 13:37
Date Received: 10/31/13 09:00

Lab Sample ID: 480-49115-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	150898	11/09/13 04:26	NMD1	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13 *
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13 *
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
SDG: 480-49115

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-49115-1
 SDG: 480-49115

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-49115-1	Trip Blank 103013	Water	10/30/13 00:00	10/31/13 09:00
480-49115-2	AF-7P 103013	Ground Water	10/30/13 08:28	10/31/13 09:00
480-49115-3	AF-7S 103013	Water	10/30/13 08:44	10/31/13 09:00
480-49115-4	AF-7D 103013	Water	10/30/13 08:56	10/31/13 09:00
480-49115-5	OSMW-3S 103013	Water	10/30/13 09:26	10/31/13 09:00
480-49115-6	OSMW-3D 103013	Water	10/30/13 09:36	10/31/13 09:00
480-49115-7	AF-25P 103013	Water	10/30/13 09:52	10/31/13 09:00
480-49115-8	TMW-2S 103013	Water	10/30/13 10:18	10/31/13 09:00
480-49115-9	TMW-2D 103013	Water	10/30/13 10:32	10/31/13 09:00
480-49115-10	TMW-1S 103013	Water	10/30/13 11:00	10/31/13 09:00
480-49115-11	TMW-1D 103013	Water	10/30/13 11:14	10/31/13 09:00
480-49115-12	ADW-1D 103013	Water	10/30/13 11:20	10/31/13 09:00
480-49115-13	OSMW-8S 103013	Water	10/30/13 11:48	10/31/13 09:00
480-49115-14	OSMW-8D 103013	Water	10/30/13 11:56	10/31/13 09:00
480-49115-15	OSMW-7D 103013	Water	10/30/13 12:16	10/31/13 09:00
480-49115-16	OSMW-6S 103013	Water	10/30/13 12:46	10/31/13 09:00
480-49115-17	OSMW-6D 103013	Water	10/30/13 12:53	10/31/13 09:00
480-49115-18	OSMW-1P 103013	Water	10/30/13 13:30	10/31/13 09:00
480-49115-19	OSMW-1S 103013	Water	10/30/13 13:40	10/31/13 09:00
480-49115-20	OSMW-1D 103013	Water	10/30/13 13:50	10/31/13 09:00
480-49115-21	AF-5P 103013	Water	10/30/13 14:03	10/31/13 09:00
480-49115-22	AF-5S 103013	Water	10/30/13 14:10	10/31/13 09:00
480-49115-23	AF-5D 103013	Water	10/30/13 14:20	10/31/13 09:00
480-49115-24	ADW-5D 103013	Water	10/30/13 14:30	10/31/13 09:00
480-49115-25	AOC-PST-MW1SR 103013	Water	10/30/13 08:45	10/31/13 09:00
480-49115-26	AOC-PST-MW2S 103013	Water	10/30/13 08:57	10/31/13 09:00
480-49115-27	AOC-LD-MW1S 103013	Water	10/30/13 09:13	10/31/13 09:00
480-49115-28	AF-23P 103013	Water	10/30/13 09:41	10/31/13 09:00
480-49115-29	AF-2P 103013	Water	10/30/13 10:11	10/31/13 09:00
480-49115-30	AF-3P 103013	Water	10/30/13 10:21	10/31/13 09:00
480-49115-31	AF-24P 103013	Water	10/30/13 10:33	10/31/13 09:00
480-49115-32	OSMW-4S 103013	Water	10/30/13 10:59	10/31/13 09:00
480-49115-33	OSMW-4D 103013	Water	10/30/13 11:05	10/31/13 09:00
480-49115-34	AF-21D 103013	Water	10/30/13 11:43	10/31/13 09:00
480-49115-35	AF-9S 103013	Water	10/30/13 12:03	10/31/13 09:00
480-49115-36	OSMW-5D 103013	Water	10/30/13 12:39	10/31/13 09:00
480-49115-37	OSMW-5S 103013	Water	10/30/13 12:59	10/31/13 09:00
480-49115-38	H-221 103013	Water	10/30/13 13:05	10/31/13 09:00
480-49115-39	OSMW-2P 103013	Water	10/30/13 13:37	10/31/13 09:00

Chain of Custody Record

Buffalo

TestAmerica Laboratory location:

 DW NPDES RCRA Other

Client Contact		Site Contact:		Lab Contact:		TestAmerica Laboratories, Inc.	
Company Name:	O'Brien & Gere	Telephone:	Tony Finch	Telephone:	Kevin Schneider	Telephone:	John Scherer
Address:	8805 Crenier's Hill	Telephone:	748-477-5701	Telephone:	734-306-9685	Telephone:	716-611-3600
City/State/Zip:	Cincinnati OH 45249	Email:	Anthony.Finch@o&g.com				
Phone:	513-617-3030						
Project Name:	GE Semi Annual Event						
Project Number:	5/11/10 245,004						
PO #							
Sample Identification		Sample Date	Sample Time	Matrix	Containers & Preservatives		
		Air	Water	H2SO4	HNO3	NaOH	Zn/Ac
		Aqueous	Sediment	Other:	HC1	NaOH	Others:
		Solid	Soil	Others:			
		Aggregates	Aggregates	Aggregates			
		Others	Others	Others			
7MW-1D 103013		10/30/13	11:14	X	3	N6	X
ADW-1D 103013			11:20	1	2	1	X
OSMW-8S 103013			11:48		3		X
OSMW-8D 103013			11:50		3		X
OSMW-7D 103013			12:10		3		X
OSMW-6S 103013			12:40		3		X
OSMW-6D 103013			12:53		3		X
OSMW-1P 103013			13:30		3		X
OSMW-1S 103013			13:40		3		X
OSMW-1D 103013			13:50	↓	3		X
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Special Instructions/QC Requirements & Comments:		Analyses per QAPP; Level III Data Package; Please send hard copy to Karen Shrine					
Relinquished by:	<u>John Finch</u>	Company: <u>GBBEN & GERE</u>	Date/Time: <u>10/30/13 1540</u>	Received by: <u>John Finch</u>	Company: <u>TestAmerica</u>	Date/Time: <u>10/30/13 1540</u>	Date/Time: <u>10/30/13 1540</u>
Relinquished by:	<u>John Finch</u>	Company: <u>TestAmerica</u>	Date/Time: <u>10/30/13 1540</u>	Received by: <u>John Finch</u>	Company: <u>TestAmerica</u>	Date/Time: <u>10/30/13 1540</u>	Date/Time: <u>10/30/13 0900</u>
Relinquished by:		Company:		Received in Laboratory by:		Company:	
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	

Chain of Custody Record

Buffalo

TestAmerica Laboratory location:

 DW NPDES RCRA Other

Client Contact		Site Contact:		Lab Contact:		TestAmerica Laboratories, Inc.	
Company Name:	O'Brien & Son	Client Project Manager:	Tony Finch	Site Contact:	Caron Schneider	Lab Contact:	John Schove
Address:	8805 Grahams Hill	Telephone:	248-477-5701	Telephone:	734-306-9685	Telephone:	716-691-2600
City/State/Zip:	Cincinnati, OH 45249	Email:	Anthony.Finch@o3ic.com	Analyses		COC No: 061067	
Phone:	513-697-2020	Analysis Turnaround Time (In BUS days)		For lab use only		4 of 5 COCs	
Project Name:	GG Semi Annual Event	TAT if different from below		Walk-in client			
Project Number:	51110 245.004	<input type="checkbox"/>	3 weeks	<input type="checkbox"/>	Lab pickup		
PO #		<input checked="" type="checkbox"/>	2 weeks	<input type="checkbox"/>	Lab sampling		
		<input type="checkbox"/>	1 week	<input type="checkbox"/>	Job/SDG No:		
		<input type="checkbox"/>	2 days	<input type="checkbox"/>			
		<input type="checkbox"/>	1 day	<input type="checkbox"/>			
Sample Identification		Sample Date	Sample Time	Containers & Preservatives	Sample Specific Notes / Special Instructions:		
				H2SO4	HCl	NaOH	Zn/Ac/H2O
				Sodium	Solid	Others:	Uppers
				Aqueous	Others:		
				Acetone			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
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				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
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				CHCl3			
				HNO3			
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				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				CHCl3			
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				CHCl3			
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				Zn/Ac			
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				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
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				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
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				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
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				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
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				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			
				CHCl3			
				HNO3			
				H2O2			
				NaOH			
				Zn/Ac			
				H2O			
				NaOH			
				Zn/Ac/H2O			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-49115-1

SDG Number: 480-49115

Login Number: 49115

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Appendix B-1
***IRM Groundwater Sampling
Program QA/QC Results and
Data Verification***

APPENDIX B-1 QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

Level A data verification was independently performed by O'Brien & Gere Engineers, Inc. to assess groundwater IRM performance monitoring data quality for samples collected during the Fourth Quarter 2013 (October 29, 2013 and October 30, 2013). Data verification was performed in accordance with the *IRM Performance Monitoring Plan* dated December 2010. The data verification level (Level A) for the performance samples was selected based upon data use (screening and trend analysis) and the quality of the laboratory data. Data verification was utilized to confirm the quality of the laboratory (TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York), which has an established record of acceptable quality for target analyte data from the routine groundwater IRM performance monitoring program. The Level A data verification included review of: (1) laboratory documentation, (2) chain-of-custody (COC) documentation, (3) target analyte results, (4) laboratory data qualifiers, (5) laboratory quantitation limits and method detection limits, (6) laboratory blank analysis, and (7) quality control samples.

The results of the Level A data verification indicated the following:

- Laboratory documentation was complete.
- Chain-of-custody (COC) documentation was complete.
- Target analyte results and data qualifiers were reported in accordance with the project requirements.
- Laboratory blank analysis did not indicate evidence of artifacts from the sampling or analytical process, except for the detection of acetone in both trip blanks associated with this sampling event at concentrations of 6.2 µg/l and 5.9 µg/l; therefore, only the acetone detected in OSMW-9S102913, OSMW-9D102913, OSMW-10D102513, and OSMW-13P102913 are considered true detections.
- Laboratory quantitation limits are within the limits listed in the QAPP, except for acetone and 2-butanone which were reported as 10 µg /l (SAP QLs are 5 µg /l). The reporting limits for acetone and 2-butanone reported by TA Buffalo were revised from 5 µg/l to 10 µg/l.
- The matrix spike / matrix spike duplicate (MS/MSD) recoveries were within control limits, except for the 1,1,1-trichloroethane recover, which was just outside of the control limits of 73 to 126% at 127%. The laboratory control sample recovery met acceptance criteria; therefore, the 1,1,1-trichloroethane results do not require additional qualification due to the MS/MSD control limit excursion.
- The method blanks were within control limits and were not detected above the method detection limits.
- The laboratory control samples were within control limits.
- The continuing calibration verification (CCV) for carbon disulfide, bromoform and bromomethane associated with batches 149772, 149960, 150351, 150555 and 150653 recovered above their upper control limits. The samples associated with these CCVs were non-detects for the affected analytes; therefore, the data have been reported without qualification.
- Eight samples were diluted to bring the target analytes into the calibration range; OSMW-10S102513, AF-4P102913, OSMW-9S102913, OSMW-10P102913, OSMW-11D102913, OSMW-11S102913, PMW-3P102913, and TMW-1P 102913. Elevated reporting limits are provided.

The overall usability for the performance monitoring data is acceptable for the intended use.

Appendix B-2

***Second Semiannual
Groundwater Sampling
Program Data Validation
Report***

FROM: Karen Storne
RE: GE Aviation, Semiannual Groundwater Monitoring Program Data Validation Report
FILE: 10361/51110.240.003
DATE: January 14, 2014

cc: T. Finch
R. Boone

This Data Validation Report presents the results of data validation performed for samples collected by O'Brien & Gere in October 2013 as part of the General Electric (GE) Semiannual Groundwater Monitoring program at the Evendale, Ohio facility.

TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York performed the laboratory analyses for this sampling event. The laboratory packages contained summary forms for quality control analysis and supportive raw data.

The analysis performed for this sampling event is summarized in Table 1.

Table 1. *Analytical Methods and References*

Parameter	Method	Reference
VOCs	USEPA Methods 5030B/8260C	1, 2

Note:

1. USEPA. 2004. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846*, 3rd Edition, Update IIIB. Washington D.C.
2. USEPA. 2006. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-84*. Washington D.C.

VOCs indicates volatile organic compounds.

Source: O'Brien & Gere

The samples listed in the attached Table 2 were submitted for data validation. Table 3 presents the specific data validation approach applied to data generated for this investigation. Definitions of laboratory QA/QC terms are presented in Table 4.

Full validation was performed on the samples collected for this sampling event.

The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) information presented in the method and the following document:

- O'Brien & Gere. 2009. *Sampling and Analysis Plan (SAP), General Electric Company, Evendale, Ohio*. Farmington Hills, Michigan.

Data affected by excursions from criteria presented in the method and the SAP is qualified using professional judgment and guidance provided in the following document:

- USEPA. 2008. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01*. Washington D.C.

The application of these validation guidelines has been modified to reflect the requirements of the method

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utilized by the laboratory.

The data validation included evaluating the following parameters:

- SAP compliance
- Chain-of-custody records
- Sample shipment
- Sample collection
- Holding times and sample preservation
- Calibrations
- Blank analysis
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- Gas chromatography/mass spectrometry (GC/MS) instrument check
- Target analyte quantification, identification, and quantitation limits (QLs)
- Documentation completeness

The following sections of this memorandum present the results of the comparison of the analytical data to the QA/QC criteria specified in methods and the SAP and the qualifiers assigned to the data when the QA/QC criteria were not met. Additional observations are also presented in the following sections.

SAP COMPLIANCE

The target analyte list reported by TA Buffalo was consistent with the revised target list provided for this project.

For the target analytes reported by TA Buffalo, the laboratory QLs were less than or equal to the SAP QLs, with the following exceptions: the laboratory QLs for acetone and 2-butanone were reported as 10 ug/L and the SAP QLs are listed as 5 ug/L.

CHAIN-OF-CUSTODY RECORDS

A time gap was identified for the samples collected 10/30/13; the TA courier relinquished the samples on 10/30/13 at 15:40 and samples were received at TA Buffalo on 10/31/13 at 09:00.

VOC DATA EVALUATION SUMMARY

The following QA/QC parameters were found to meet method and validation criteria or did not result in additional qualification of sample results:

- Sample shipment
- Holding times and sample preservation
- LCS analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- GC/MS instrument check
- Target analyte identification
- Documentation completeness

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Excursions from method or validation criteria and additional observations are described below.

I. Calibrations

The following results were qualified as approximate (UJ) due to minor calibration accuracy excursion:

- Carbon disulfide and bromoform in samples Trip Blank 103013, AF-7P 103013, AF-7S 103013, AF-7D 103013, OSMW-3S 103013, OSMW-3D 103013, AF-25P 103013, TMW-2S 103013, TMW-1S 103013, TMW-1D 103013 and ADW-1D 103013[TMW-1D 103013].
- Bromoform in samples TMW-2D 103013, OSMW-8S 103013, OSMW-8D 103013, OSMW-7D 103013, OSMW-6S 103013, OSMW-6D 103013, OSMW-1P 103013, OSMW-1S 103013, OSMW-1D 103013, AF-5P 103013, AF-5S 103013, AF-5D 103013, ADW-5D 103013[AF-5D 103013], AOC-PST-MW1SR 103013, AOC-PST-MW2S 103013, AOC-LD-MW1S 103013, AF-23P 103013, AF-2P 103013 and AF-3P 103013.
- Bromomethane in samples AF-24P 103013, OSMW-4S 103013, OSMW-4D 103013, AF-21D 103013, AF-9S 103013, OSMW-5D 103013, OSMW-5S 103013, H-221 103013 and OSMW-2P 103013.

II. Blank analysis

The following results were qualified as non-detected (U) due to minor representativeness excursion:

- Acetone in samples AF-7P 103013, AF-7D 103013, OSMW-3S 103013, OSMW-3D 103013, AF-25P 10-3013, TMW-2S 103013, TMW-1S 103013, TMW-1D 103013, ADW-1D 103013[TMW-1D 103013], OSMW-8S 103013, OSMW-8D 103013, OSMW-6S 103013, OSMW-1P 103013, OSMW-1S 103013, OSMW-1D 103013, AF-5P 103013, AF-5S 103013, AOC-PSST-MW1SR 103013, OSMW-4S 103013, OSMW-4D 103013, AF-9S 103013, OSMW-5S 103013 and H-221 103013.

III. MS/MSD analysis

The following result was qualified as approximate (UJ, J) due to minor accuracy excursions:

- Chloromethane in sample AF-5D 103013.
- Vinyl chloride in sample OSMW-4S 103013.
- 1,1,1-Trichloroethane in sample AF-24P 103013.

IV. Target analyte quantitation and QLs

Sample results for VOCs were reported using undiluted and diluted analyses due to elevated concentrations of target analytes.

The laboratory applied the qualifier "J" when the analyte concentration was greater than the MDL but less than the QL. This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

DATA USABILITY

This section evaluates data usability for samples based on QA/QC criteria established by the methods as listed in Table 1. Major deficiencies in the data generation process result in data being rejected, indicating that the data is considered unusable for either quantitative or qualitative purposes. Data were not rejected for this sampling event. Minor deficiencies in the data generation process result in sample data being characterized as approximate or non-detected. Data were qualified as approximate for this sampling

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event.

A discussion of the data quality with regard to the parameters evaluated follows:

Precision: Data were not rejected for precision excursions.

Sensitivity: Dilutions were performed for analysis, which resulted in elevated QLs reported for this project.

Accuracy: Data were not rejected due to accuracy excursions.

Representativeness: Data were not rejected due to representativeness excursions.

Comparability: Standardized analytical methods, QLs, reference materials, and data deliverables were used throughout the data generation process for this project.

Completeness: Overall data usability with respect to completeness is 100 percent for the data set. Therefore, the data were identified as usable for qualitative and quantitative purposes.

Table 2. Sample Cross Reference Table

Laboratory	Date Collected	Laboratory ID	Client ID	Matrix	Analysis Requested
TA Buffalo	10/30/2013	480-49115-1	Trip Blank 103013	Aqueous	VOC's
TA Buffalo	10/30/2013	480-49115-2	AF-7P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-3	AF-7S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-4	AF-7D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-5	OSMW-3S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-6	OSMW-3D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-7	AF-25P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-8	TMW-2S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-9	TMW-2D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-10	TMW-1S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-11	TMW-1D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-12	ADW-1D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-13	OSMW-8S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-14	OSMW-8D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-15	OSMW-7D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-16	OSMW-6S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-17	OSMW-6D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-18	OSMW-1P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-19	OSMW-1S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-20	OSMW-1D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-21	AF-5P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-22	AF-5S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-23	AF-5D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-23 MS	AF-5D 103013 MS	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-23 MS	AF-5D 103013 MSD	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-24	ADW-5D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-25	AOC-PST-MW1SR 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-26	AOC-PST-MW2S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-27	AOC-LD-MW1S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-28	AF-23P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-29	AF-2P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-30	AF-3P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-31	AF-24P 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-32	OSMW-4S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-32 MS	OSMW-4S 103013 MS	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-32 MS	OSMW-4S 103013 MSD	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-33	OSMW-4D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-34	AF-21D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-35	AF-9S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-36	OSMW-5D 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-37	OSMW-5S 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-38	H-221 103013	Groundwater	VOC's
TA Buffalo	10/30/2013	480-49115-39	OSMW-2P 103013	Groundwater	VOC's

Note:

TA Buffalo indicates TestAmerica of Amherst, New York

VOCs indicates volatile organic compounds.

MS/MSD indicates matrix spike/matrix spike duplicate.

The location in brackets indicates the field duplicate sampling location.

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
Laboratory Methods and Data Validation Approach	The O'Brien & Gere data validation approach utilizes the <u>methods</u> applied by the laboratory to evaluate data. USEPA National Functional Guidelines address data validation of Contract Laboratory Program (CLP) methods. If excursions from the <u>method</u> quality control requirements are identified, O'Brien & Gere applies a similar approach as used in the USEPA National Functional Guidelines (1999) to apply validation qualifiers to the data associated with the excursions.
General Validation Approach	<p>The validation approach taken by O'Brien & Gere is a conservative one; qualifiers are applied to sample data to indicate both major and minor excursions so that data associated with any type of excursion are identified to the data user. Major excursions result in data being rejected (R), indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor excursions result in sample data being qualified as approximate (J, UJ, JN) or non-detected (U) that is otherwise usable for quantitative or qualitative purposes.</p> <p>Excursions are subdivided into excursions that are within the laboratory's control and those that are a result of site conditions. Excursions involving laboratory control sample recovery, calibration response, method blank excursions, low or high spike recovery due to inaccurate spiking solutions or poor instrument response, holding times, interpretation errors, and quantitation errors are within the control of the laboratory. Excursions resulting from matrix spike recovery, serial dilution recovery, surrogate, and internal standard performance due to interference from the matrix of the samples are examples of those excursions that are due to site conditions and are not within the laboratory's control if the laboratory has followed proper method procedures, including performing appropriate cleanup techniques.</p>
Applying professional judgment	USEPA National Functional Guidelines allow professional judgment to be used when applying qualifiers in some cases. When utilizing professional judgment, justification for actions taken will either be provided in the associated report or will be available upon request.
Validation Parameter	<p>O'Brien & Gere Data Validation Approach based on:</p> <ul style="list-style-type: none"> • USEPA. 2008. <i>USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review</i>, EPA-540-R-08-01. Washington D.C. • USEPA. 2010. <i>USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review</i>, EPA-540-R-10-011. Washington D.C.
Validation Qualifiers - Organics	<p>U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the quantitation limit (QL).</p> <p>J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the QL).</p> <p>NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.</p> <p>UJ - The analyte was not detected at a level greater than or equal to the QL. However, the QL is approximate and may be inaccurate or imprecise.</p> <p>R - The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.</p> <p>C - This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).</p> <p>X - This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.</p>
Cooler Temperature	<p>Results for samples submitted for organic analyses that are impacted by coolers that did not contain ice, or if the ice melted upon receipt and the cooler temperatures are greater than 10°C, are qualified as approximate (UJ, J).</p> <p>If samples are delivered to the laboratory the same day as sample collection and samples did not have sufficient time to reach 10°C, samples are not qualified, unless proper preservation was not provided for samples between sample collection and sample receipt at the laboratory.</p> <p>Results for samples received at ambient temperature involved in extended shipment-day issues may be rejected, applying professional judgment.</p>
Holding Time for Organics	<p>Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the method or the QAPP for preparation and/or analysis are qualified as approximate (UJ, J).</p> <p>Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are <u>rejected</u> (R).</p> <p>Detected results for samples properly preserved and analyzed greater than two times the holding time</p>

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
	window for preparation and/or analysis are qualified as approximate (J). The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.
Calibration Actions for VOCs	<p>Due to relative standard deviation (RSD) calibration excursions, detected results for analytes in samples associated with the calibration are qualified as approximate (J). Non-detected results associated with RSD excursions may be qualified as approximate (UJ) based on professional judgment.</p> <p>If the RSD calibration excursion is greater than 90 for VOC, detected results for analytes in samples associated with the calibration are qualified as approximate (J) and non-detected results may be <u>rejected</u> (R), applying professional judgment.</p> <p>Due to %D calibration verification excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.</p> <p>For response factor excursions, detected results are qualified as approximate (J) and non-detected results are <u>rejected</u> (R).</p> <p>For initial calibration verifications (ICV) excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.</p>
VOCS Instrument Performance Evaluation	<p>IP requirements may not apply when Selected Ion Monitoring (SIM) is used for analysis. Refer to the laboratory SOP.</p> <p>If IP fails 12 hour clock time frequency or ion abundance criteria, associated sample result are <u>rejected</u> (R).</p>
VOCs Calibration Evaluation (8260C)	<p>VOC target analytes are evaluated using the criteria of 20 percent relative standard deviation (%RSD) or correlation coefficient of 0.990 for initial calibration curves.</p> <p>Calibration verifications are evaluated using a criterion of 20 percent difference (%D).</p> <p>Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in the method. If criterion are not specified in the method, ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.</p>
Associating samples with Field and Laboratory QC Samples	Trip blanks are associated with samples in the same sample cooler.
	Equipment blanks (Rinsate blanks) are associated with samples collected in the same day (or sampling event) using the same sample collection equipment and decontamination solutions. When sampling equipment or decontamination solutions are changed, a new equipment blank should be collected. Each sample should be associated with one equipment blank, which is collected as close to the sample collection date/time as possible. Use professional judgment.
	Field blanks are associated with the sample containers used to collect samples. When sampling container lots are changed, a new field blank should be collected.
	Method blanks are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples. Method blanks should reflect the sample matrix type (aqueous, low level solid, medium level solid).
	LCSs are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples.
	MS/MSD and laboratory duplicate samples are collected in the field. The laboratory must prepare using project samples. MS/MSDs and laboratory duplicates are associated with samples prepared at the same time or close to the same time (if preparation is required) with the same matrix type.
	Field duplicates are collected in the field and are associated with samples of the same matrix type.
Evaluation and Action for MS/MSD, LCS, Surrogate and Laboratory Duplicate Data for VOCs	In the case that insufficient QC samples are provided due to field or laboratory problems, use professional judgment to associate each sample with a QC sample that reflects the sample matrix and analysis conditions. If insufficient QC samples are available to properly associate samples, record the impact in the DV notes.
	The laboratory control limit (CL) is used to assess MS/MSD, LCS, surrogate and laboratory duplicate data. Refer to Region II guidelines if laboratory control limits are not available.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly (see batching description above).
If percent recoveries are less than laboratory CLs but greater than 10%, non-detected and detected results are qualified as approximate (UJ, J).	

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
Evaluation and Actions for Blank Results (Method, Field, Equipment, Instrument, Storage) for VOC Data	If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J). If percent recoveries are less than 10%, detected results are qualified as approximate (J) and non-detected results are qualified as <u>rejected</u> (R). If RPDs for MSDs or laboratory duplicates are outside of laboratory CLs, detected results are qualified as approximate (J). Non-detected results may not be qualified, applying professional judgment.
	Blanks are not qualified due to contamination of another blank. Sample results qualified as non-detected (U) are treated as hits when qualifying for surrogate or calibration excursions. The following approach is utilized for applying qualifiers, using twice the quantitation limit (QL) for methylene chloride, 2-butanone, acetone: 1. For blank results less than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 2. For blank results greater than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and less than the blank contamination level are reported and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and greater than or equal to the blank contamination level are not qualified or may apply the Blank Rule Option. 3. For blank results equal to the QL, sample concentrations less than the QL are reported at the QL value and qualified as non-detected (U). Samples greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 4. For gross contamination in blanks (saturated peaks, interference peaks, poor baselines), all associated sample detected results are <u>rejected</u> (R) or qualified as non-detected (U) using professional judgment. Blank Rule Option: If methylene chloride, acetone or 2-butanone is detected in the sample at a concentration that is less than ten times the concentration in the associated blank, the sample result is qualified as "U". If other target analytes are detected in the sample at a concentration that is less than five times the concentration detected in the associated blank, the sample result is qualified as "U".
	Qualification is performed only when both MS and MSD recoveries are outside of laboratory CLs. Organic data are <u>rejected</u> (R) in the case that both MS/MSD recoveries are less than 10%. Qualification is not performed if MS/MSD or surrogate recoveries are outside of laboratory CLs with an analysis that applied a dilution factor of 10 times or more.
Evaluation of MS/MSD, Surrogate, and Field Duplicate Data for VOCs	Qualification of data associated with MS/MSD or field duplicate excursions is limited to the un-spiked sample or the field duplicate pair, respectively. Field duplicate data are evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for soils when results are greater than or equal to five times the QL. When a field duplicate result is less than five times the QL, a control limit of plus or minus two times the QL (difference criterion) is applied. If RPDs or differences are outside of criterion, detected and non-detected results are qualified as approximate (UJ, J) to indicate minor excursions.
Evaluation of Internal Standards for VOCs	Internal standard recoveries are evaluated using control limits of from 50% of the lower standard area to 100% of the upper standard area of the associated calibration verification standard. The results associated with internal standard area recoveries 25% or greater but less than 50% are qualified as approximate (J, UJ). Non-detected results associated with internal standard area recoveries less than 25% are <u>rejected</u> (R), using professional judgment.
General Inorganic MS/MSD, LCS, Duplicate Data	Laboratory established control limits are used to assess duplicate, MS/MSD, and LCS data. In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly. Qualification of inorganic data for MS/MSD analyses is performed when either MS or MSD percent recoveries are outside of laboratory control limits.

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
	For inorganic analyses, if RPDs for MS/MSDs, laboratory duplicates, or field duplicates are outside of laboratory control limits, associated detected and non-detected results are qualified as approximate (UJ, J).
	Detected sample results associated with recoveries that are greater than the laboratory control limits are qualified as approximate biased high ($J^{(+)}$).
	Detected sample results associated with recoveries that both are greater than the laboratory control limits and less than the laboratory control limits or with one recovery outside of laboratory control limits, are qualified as approximate (J).
	Detected sample results associated with recoveries that are less than the laboratory control limits are qualified as approximate biased low ($J^{(-)}$).
	Non-detected sample results associated with recoveries that are less than the laboratory control limits but greater than or equal to 30 percent are qualified as approximate (UJ).
	Non-detected sample results associated with recoveries that are less than 30 percent are qualified as rejected (R).
Serial Dilution Data	Serial dilution results are evaluated by the laboratory for data with initial sample concentrations that are greater than 50 times the instrument detection limit (IDL), in accordance with the validation guidelines. Qualifiers are applied to data that exceeded the ten percent difference based on the laboratory evaluation summary form provided.
Total and Dissolved Concentration Comparisons	Total and dissolved metal concentrations are compared to a criterion of less than or equal to 10% using the equation dissolved –total/dissolved times 100. Sample results outside of the criterion are qualified as approximate (J).
Inorganic Blank Data	Concentrations in the associated samples greater than the QL but less than five times the associated blank concentration are qualified as undetected (U) when blank concentrations are less than the QL. For concentrations in the samples below the QL, the concentration is replaced with the QL and qualified as undetected (U).
	Non-detected concentrations in the associated samples associated with a negative blank concentration are qualified as approximate (UJ).
	Concentrations in the associated samples of greater than the QL but less than ten times the method or calibration blank concentration, when the calibration or method blank concentration is greater than the QL, are rejected (R).
	If analytes are detected in equipment blanks, sample concentrations less than the QL are replaced with the QL and qualified as undetected (U). Sample concentrations greater than the QL and less than five times the equipment blank concentration are qualified as undetected (U).

Source O'Brien & Gere

Table 4. Laboratory QA/QC analyses definitions.

QA/QC Term	Definition
Quantitation limit	The level above which numerical results may be obtained with a specified degree of confidence; the minimum concentration of an analyte in a specific matrix that can be identified and quantified above the method detection limit and within specified limits of precision and bias during routine analytical operating conditions.
Method detection limit	The minimum concentration of an analyte that undergoes preparation similar to the environmental samples and can be reported with a stated level of confidence that the analyte concentration is greater than zero.
Instrument detection limit	The lowest concentration of a metal target analyte that, when directly inputted and processed on a specific analytical instrument, produces a signal/response that is statistically distinct from the signal/response arising from equipment "noise" alone.
Gas chromatography/mass spectrometry (GC/MS) instrument performance check	Performed to verify mass resolution, identification, and to some degree, instrument sensitivity. These criteria are not sample specific; conformance is determined using standard materials.
Calibration	Compliance requirements for satisfactory instrument calibration are established to verify that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of analysis and calibration verifications document satisfactory maintenance and adjustment of the instrument on a day-to-day basis.
Relative Response Factor	A measure of the relative mass spectral response of an analyte compared to its internal standard. Relative Response Factors are determined by analysis of standards and are used in the calculation of concentrations of analytes in samples.
Relative standard deviation	The standard deviation divided by the mean; a unit-free measure of variability.
Correlation coefficient	A measure of the strength of the relationship between two variables.
Relative Percent Difference	Used to compare two values; the relative percent difference is based on the mean of the two values, and is reported as an absolute value, i.e., always expressed as a positive number or zero.
Percent Difference	Used to compare two values; the percent difference indicates both the direction and the magnitude of the comparison, i.e., the percent difference may be either negative, positive, or zero.
Percent Recovery	The act of determining whether or not the methodology measures all of the target analytes contained in a sample.
Calibration blank	Consists of acids and reagent water used to prepare metal samples for analysis. This type of blank is analyzed to evaluate whether contamination is occurring during the preparation and analysis of the sample.
Method blank	A water or soil blank that undergoes the preparation procedures applied to a sample (i.e., extraction, digestion, clean-up). These samples are analyzed to examine whether sample preparation, clean-up, and analysis techniques result in sample contamination.
Field/equipment	Collected and submitted for laboratory analysis, where appropriate. Field/equipment blanks are handled in the same manner as environmental samples. Equipment/field blanks are analyzed to assess contamination introduced during field sampling procedures.
Trip blank	Consist of samples of analyte-free water that have undergone shipment from the sampling site to the laboratory in coolers with the environmental samples submitted for volatile organic compound (VOC) analysis. Trip blanks will be analyzed for VOCs to determine if contamination has taken place during sample handling and/or shipment. Trip blanks will be utilized at a frequency of one each per cooler sent to the laboratory for VOC analysis.
Internal standards performance	Compounds not found in environmental samples which are spiked into samples and quality control samples at the time of sample preparation for organic analyses. Internal standards must meet retention time and recovery criteria specified in the analytical method. Internal standards are used as the basis for quantitation of the target analytes.
Surrogate recovery	Compounds similar in nature to the target analytes but not expected to be detected in the environmental media which are spiked into environmental samples, blanks, and quality control samples prior to sample preparation for organic analyses. Surrogates are used to evaluate analytical efficiency by measuring recovery.
Laboratory control sample Matrix spike blank analyses	Standard solutions that consist of known concentrations of the target analytes spiked into laboratory analyte-free water or sand. They are prepared or purchased from a certified manufacturer from a source independent from the calibration standards to provide an independent verification of the calibration procedure. They are prepared and analyzed following the same procedures employed for environmental sample analysis to assess method accuracy independently of sample matrix effects.
Laboratory duplicate	Two or more representative portions taken from one homogeneous sample by the analyst and analyzed in the same laboratory.
Matrix	The material of which the sample is composed or the substrate containing the analyte of interest, such as drinking water, waste water, air, soil/sediment, biological material.
Matrix Spike (MS)	An aliquot of a matrix (water or soil) fortified (spiked) with known quantities of specific target analytes and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery.
Matrix spike duplicate (MSD)	A second aliquot of the same matrix as the matrix spike that is spiked in order to determine the precision of the method.
Retention time	The time a target analyte is retained on a GC column before elution. The identification of a target analyte is dependent on a target compound's retention time falling within the specified retention time window established for that compound.
Relative retention time	The ratio of the retention time of a compound to that of a standard.

Source O'Brien & Gere

Appendix C

***Hydrographs for Selected
Perched Zone, USG and LSG
Monitoring Wells***

Figure C-1. Groundwater Elevations - Perched

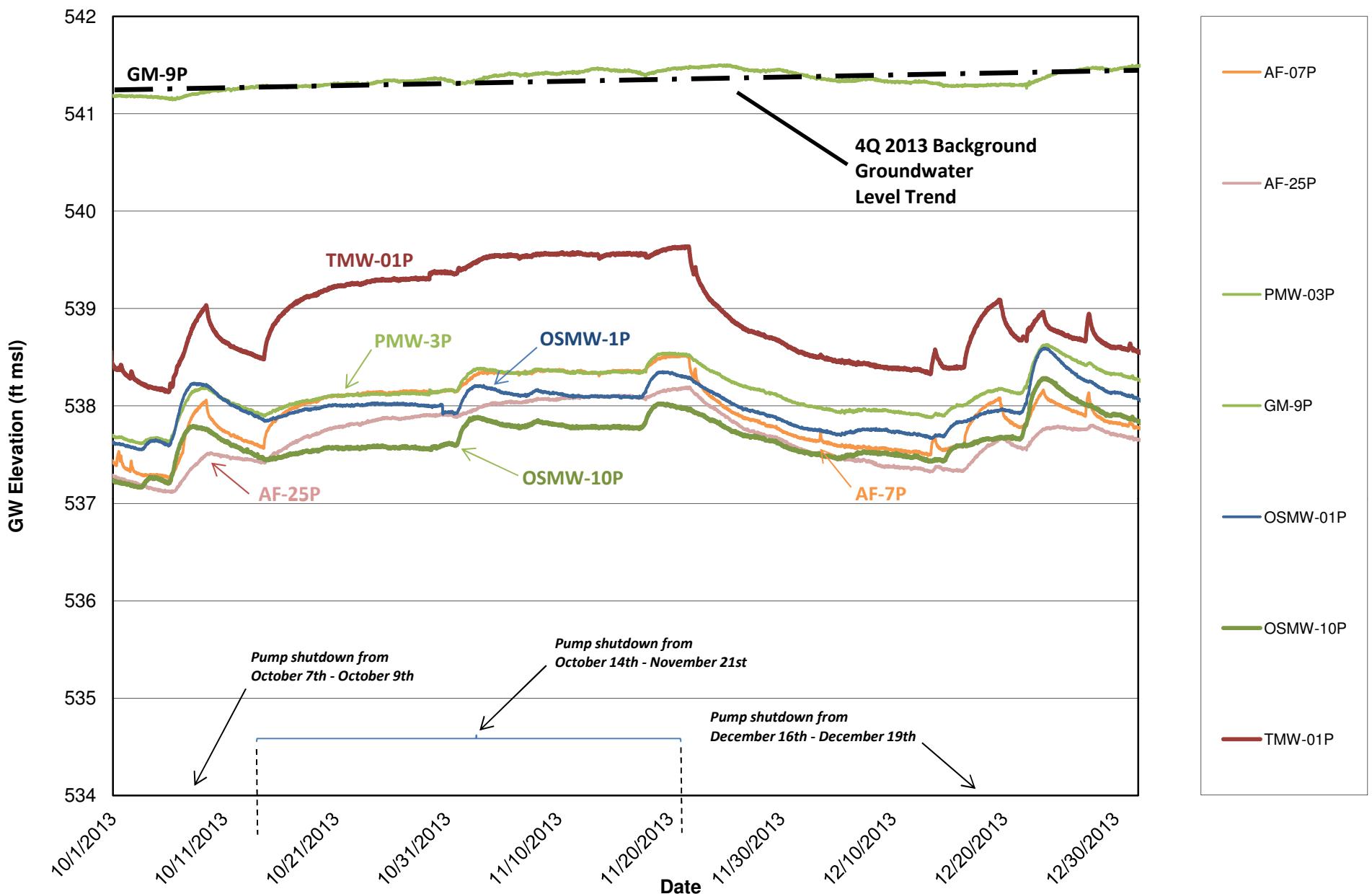


Figure C-2. Groundwater Elevations - USG - Perched Pumping Area

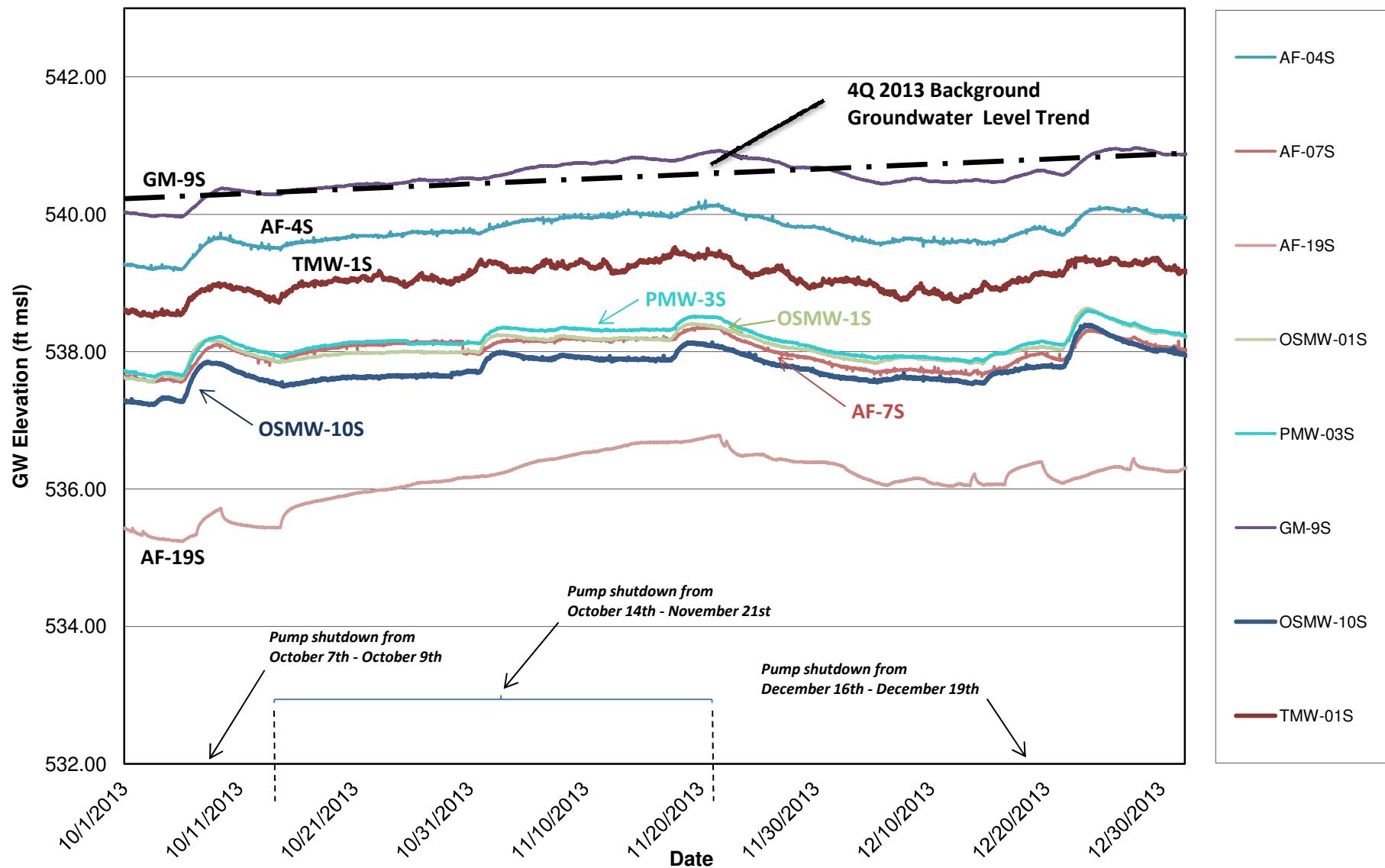


Figure C-3. Groundwater Elevations - USG - EW-7S Area

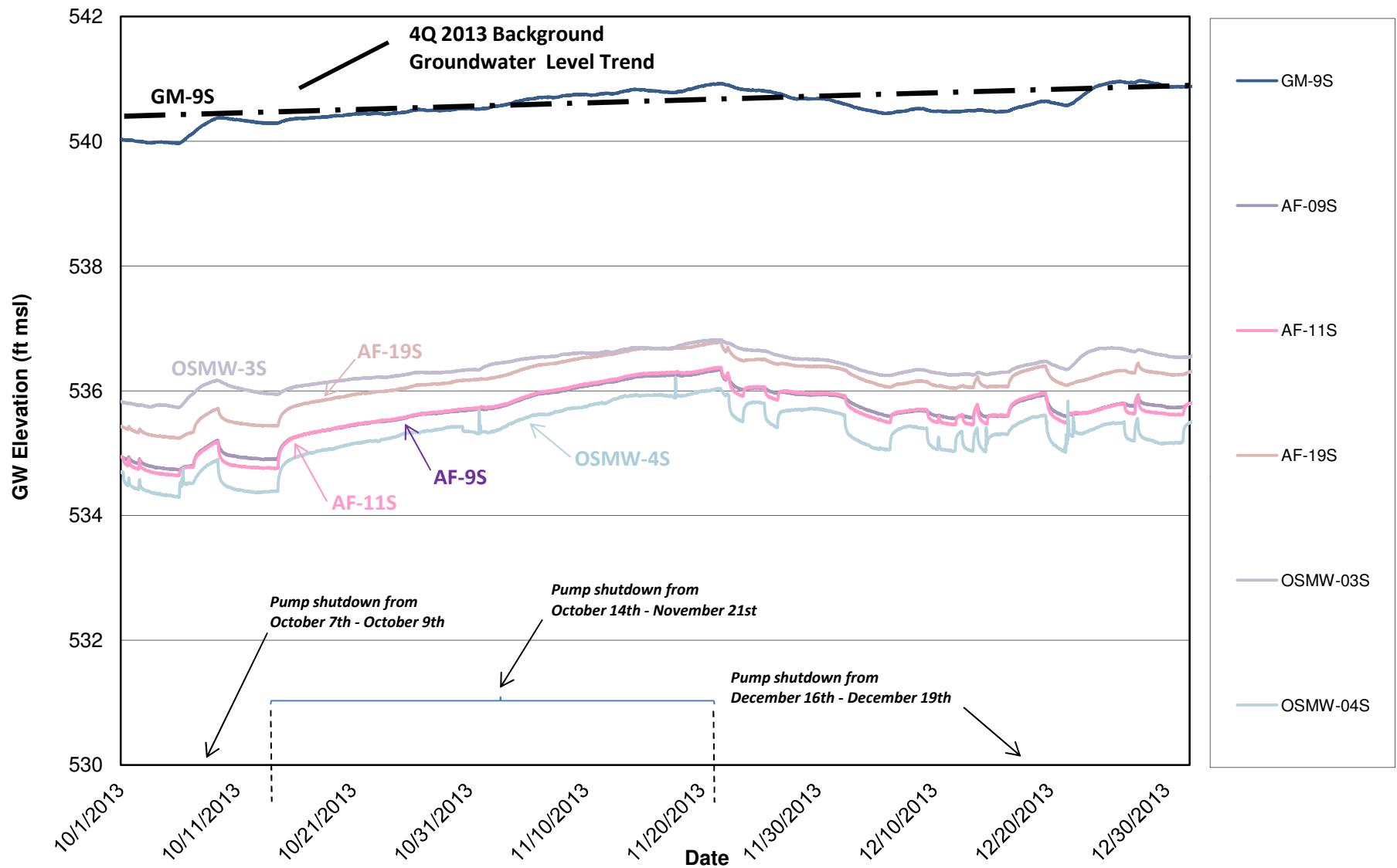


Figure C-4. Groundwater Elevations - LSG EW-3D Area

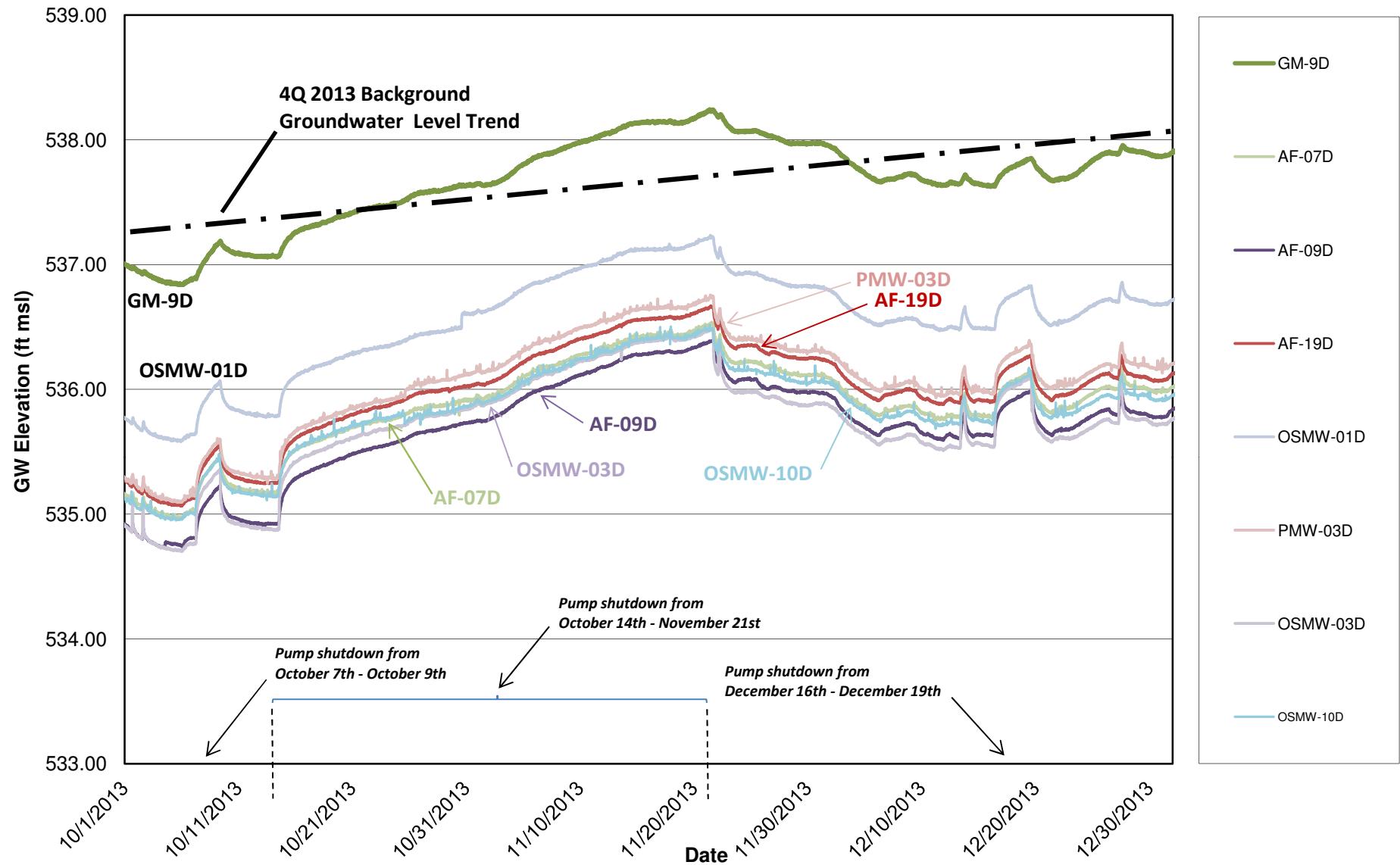
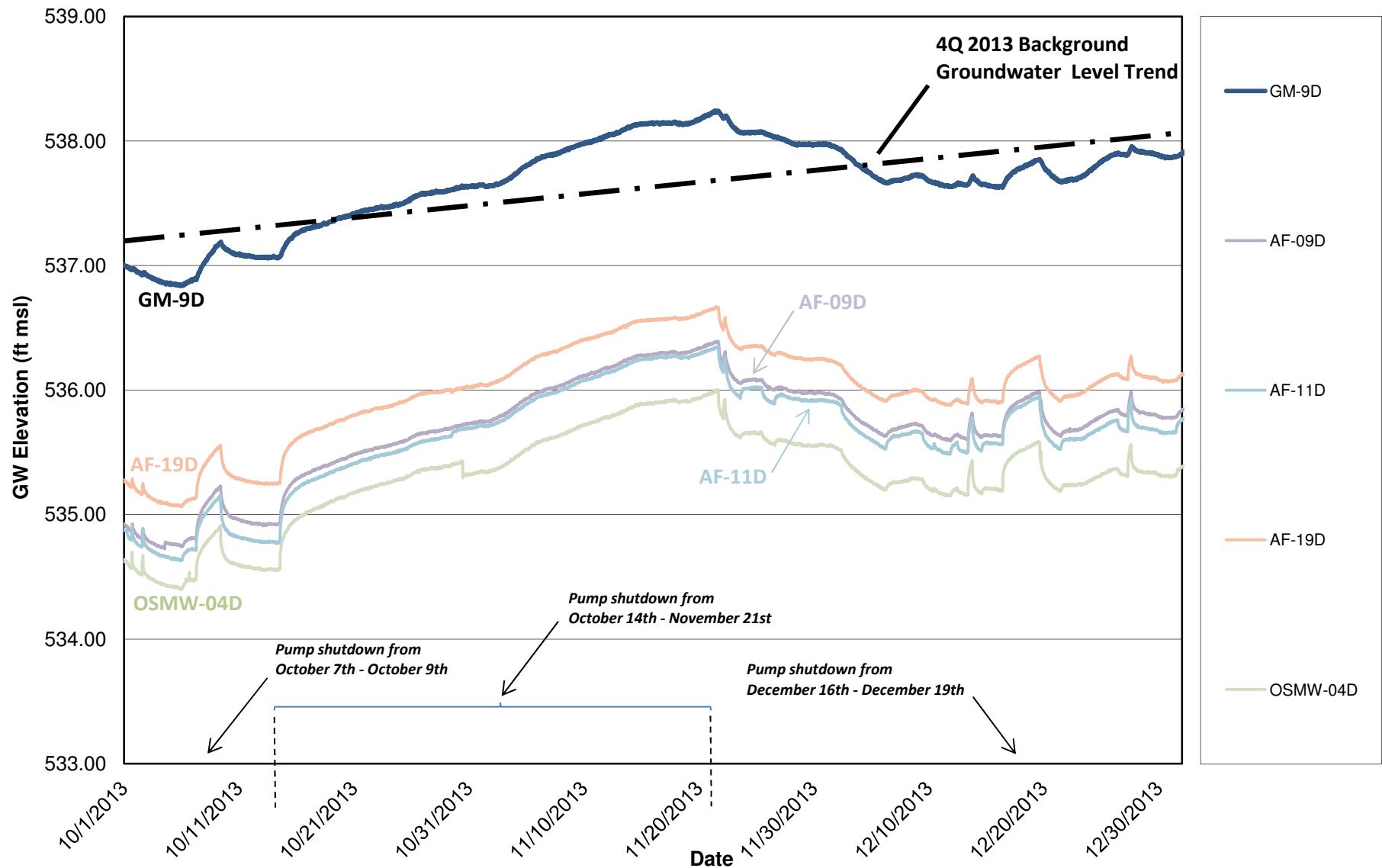


Figure C-5. Groundwater Elevations - LSG EW-8D Area



Appendix D

*Hydrographs for Selected
Nested Well Series*

Figure D-1. Group B Corrected Graph - GM-9 Series Wells

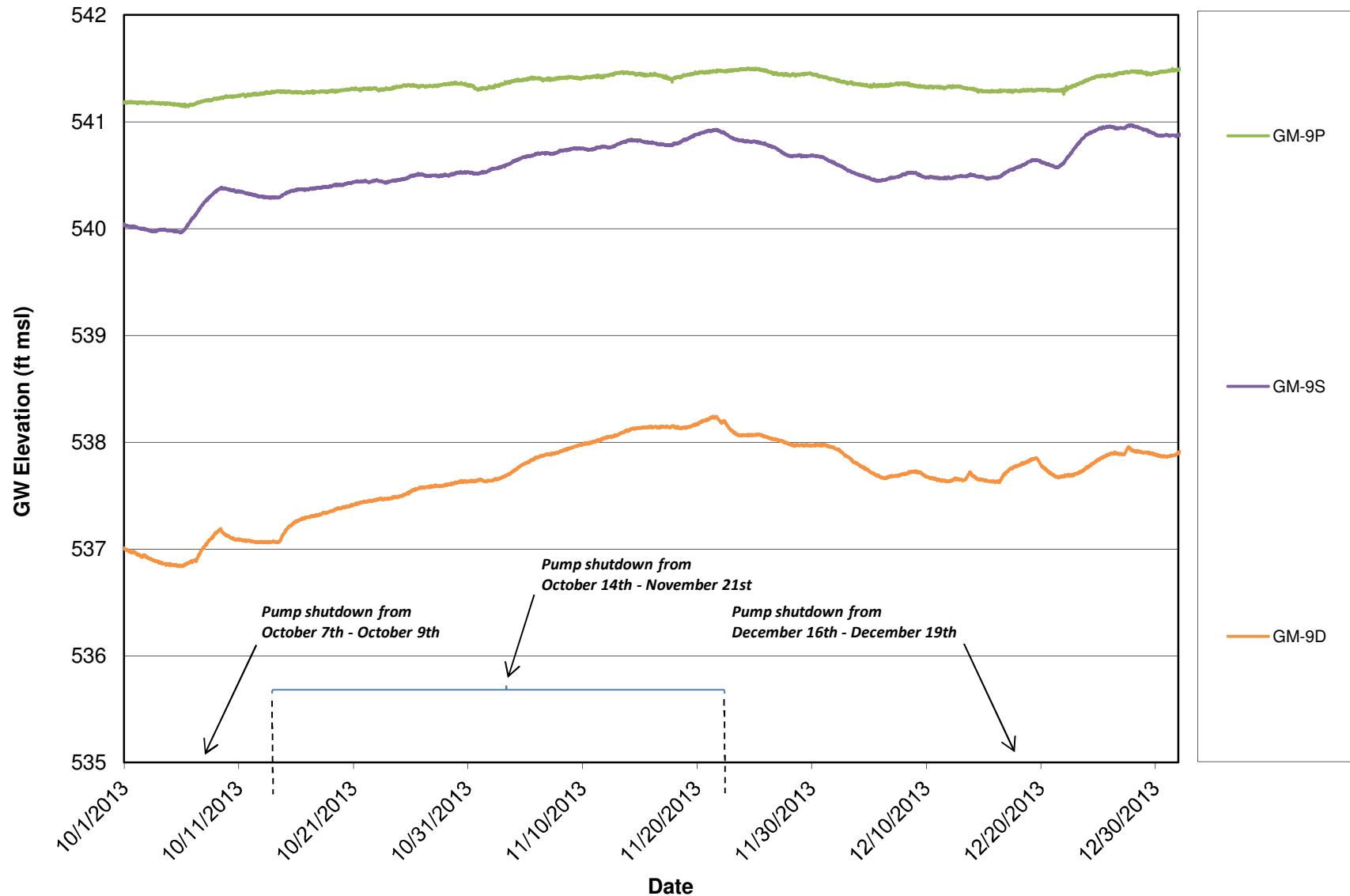


Figure D-2. Group A Corrected Graph - AF-4 Series Wells

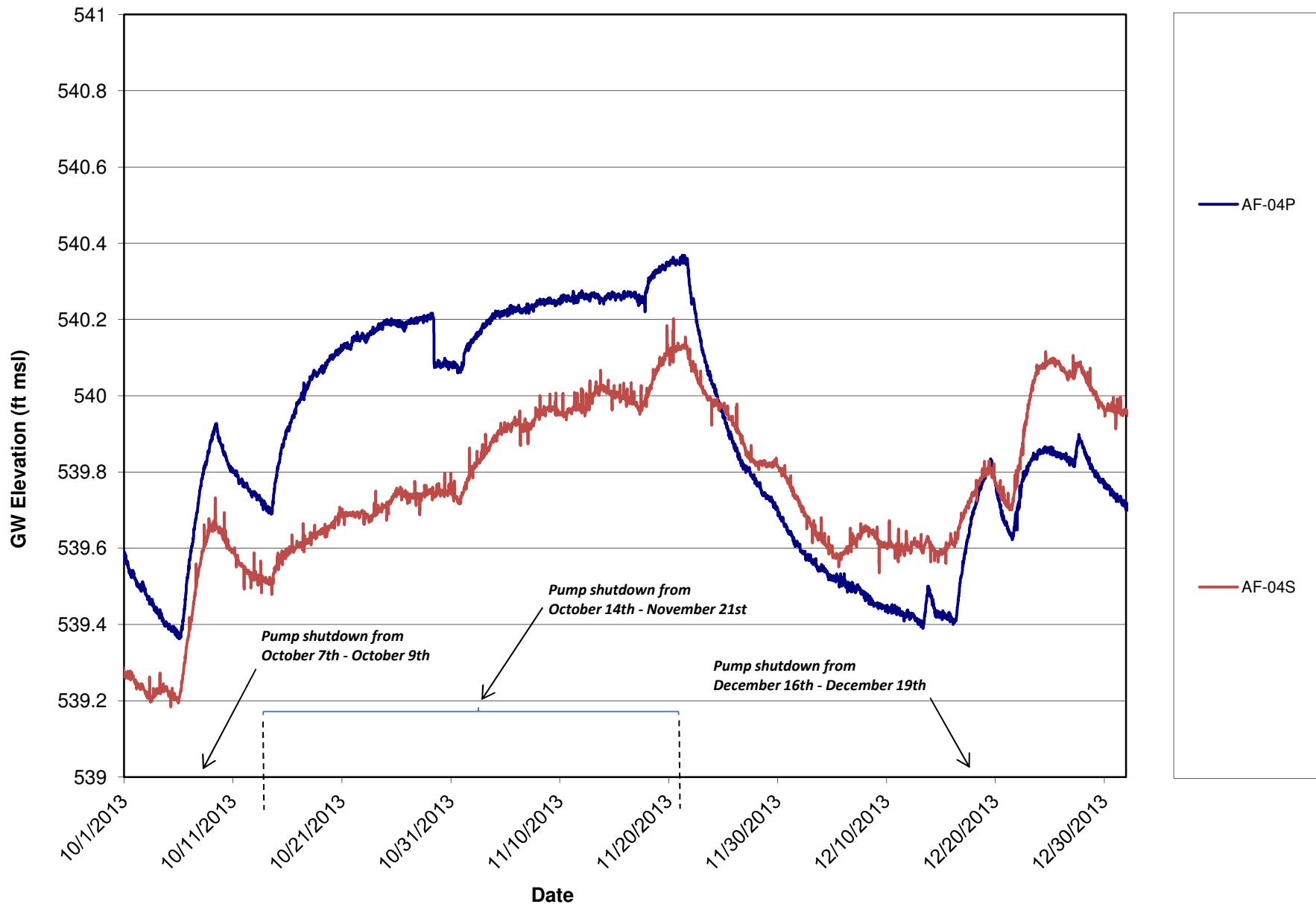


Figure D-3. Group A Corrected Graph - AF-7 Series Wells

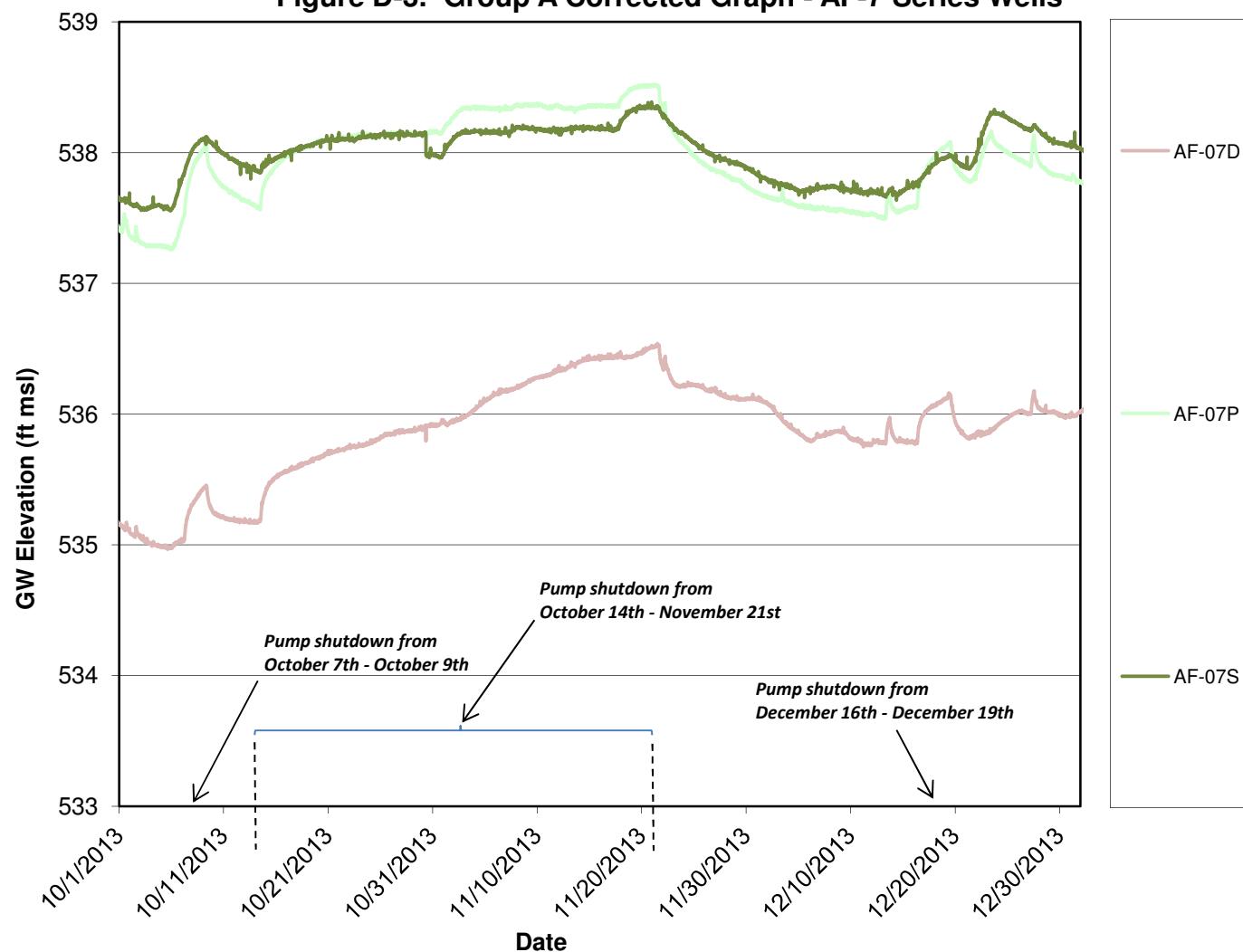


Figure D-4. Group A Corrected Graph - AF-11 Series Wells

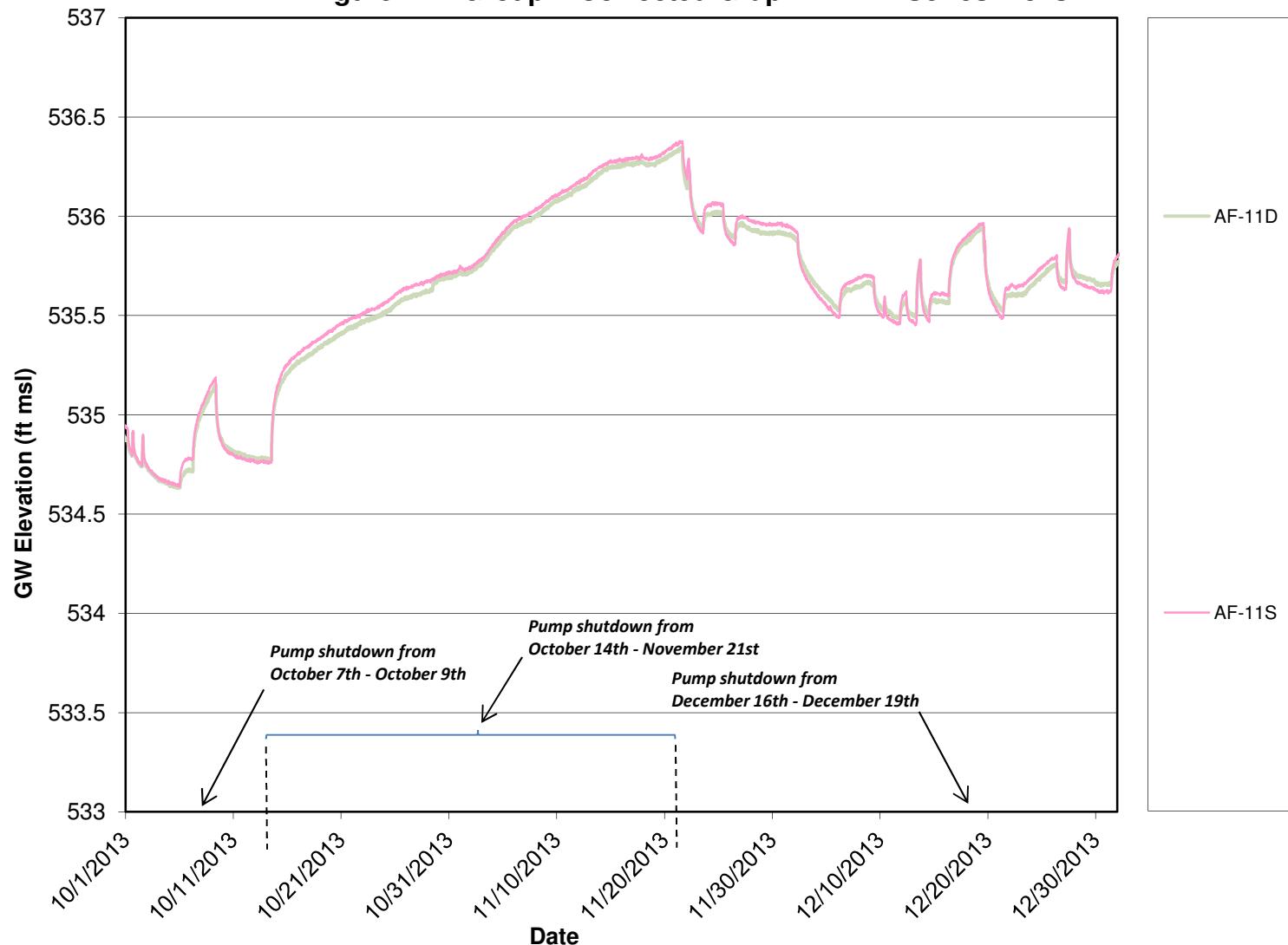


Figure D-5. Group A Corrected Graph - OSMW-4 Series Wells

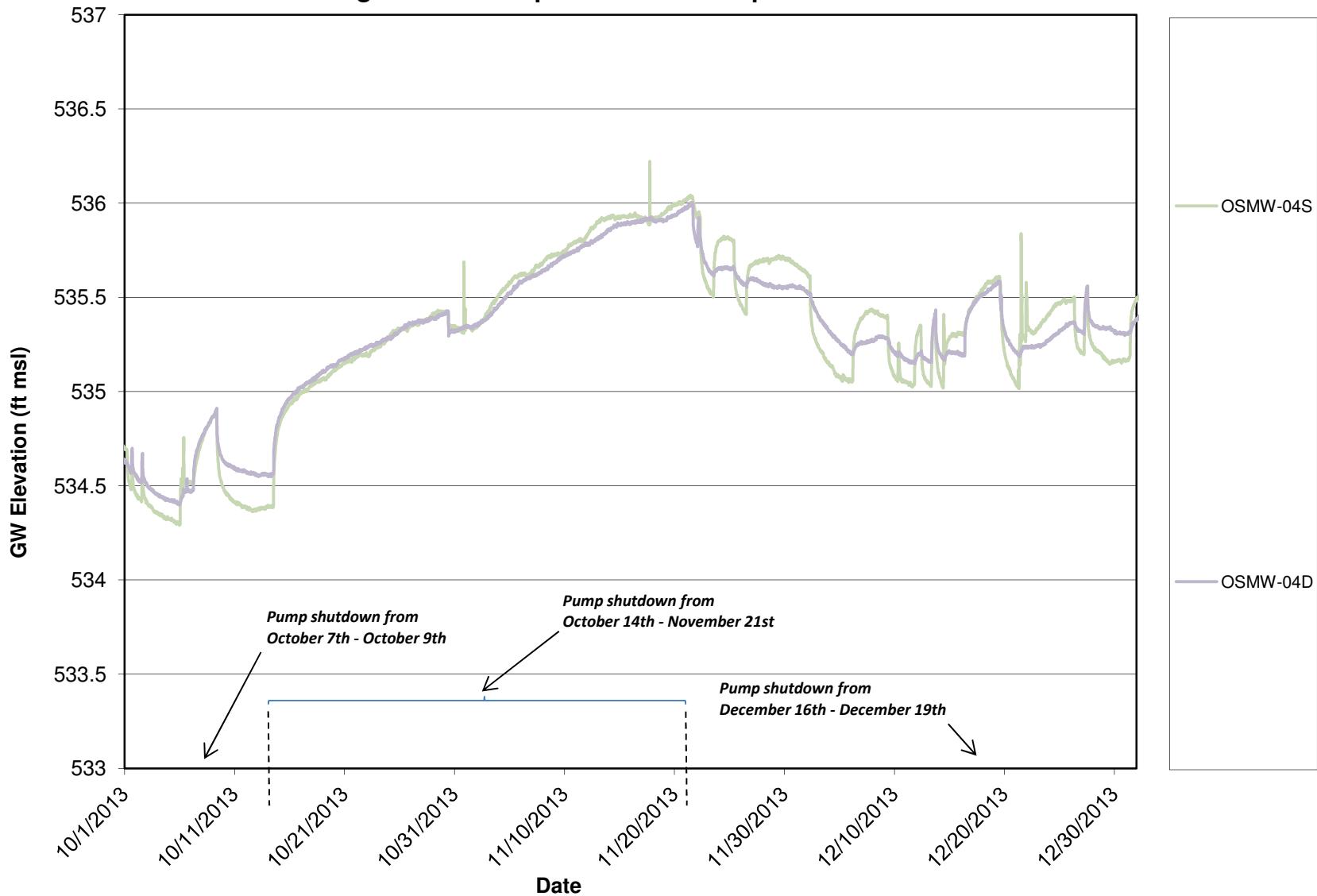


Figure D-6. Group A Corrected Graph – OSMW-1 Series Wells

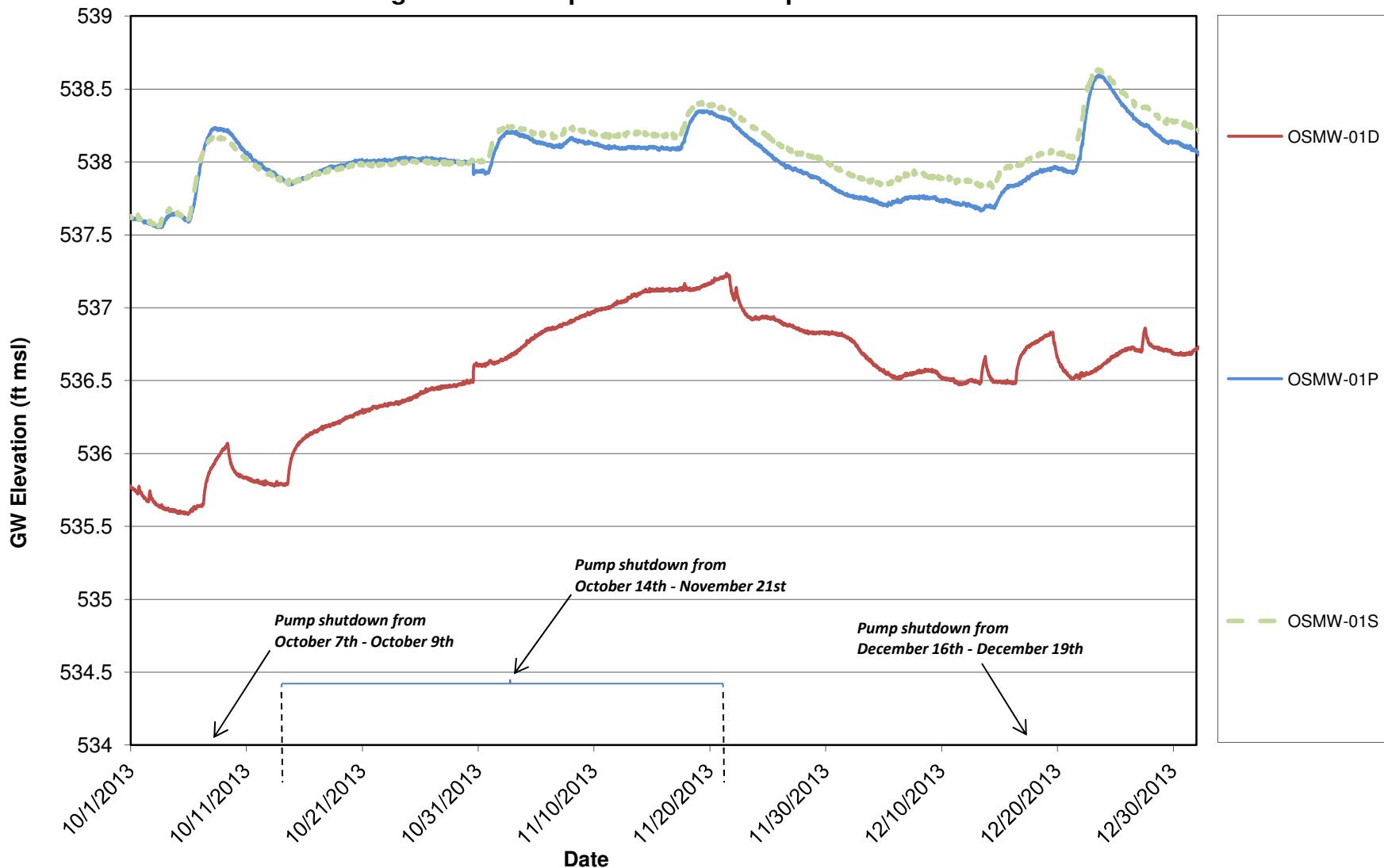


Figure D-7. Group A Corrected Graph - PMW-3 Series Wells

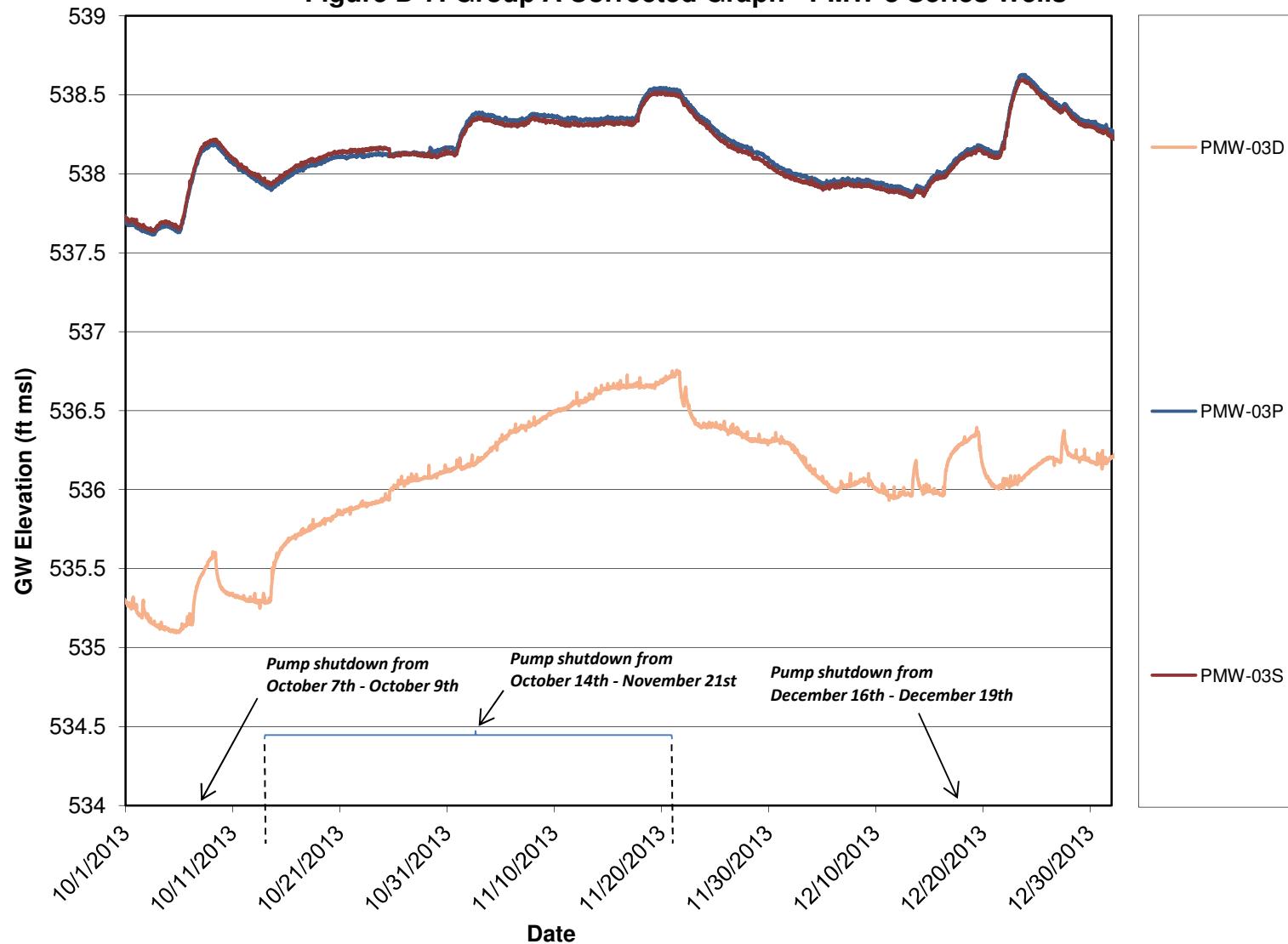


Figure D-8. Group A Corrected Graph - AF-9 Series Wells

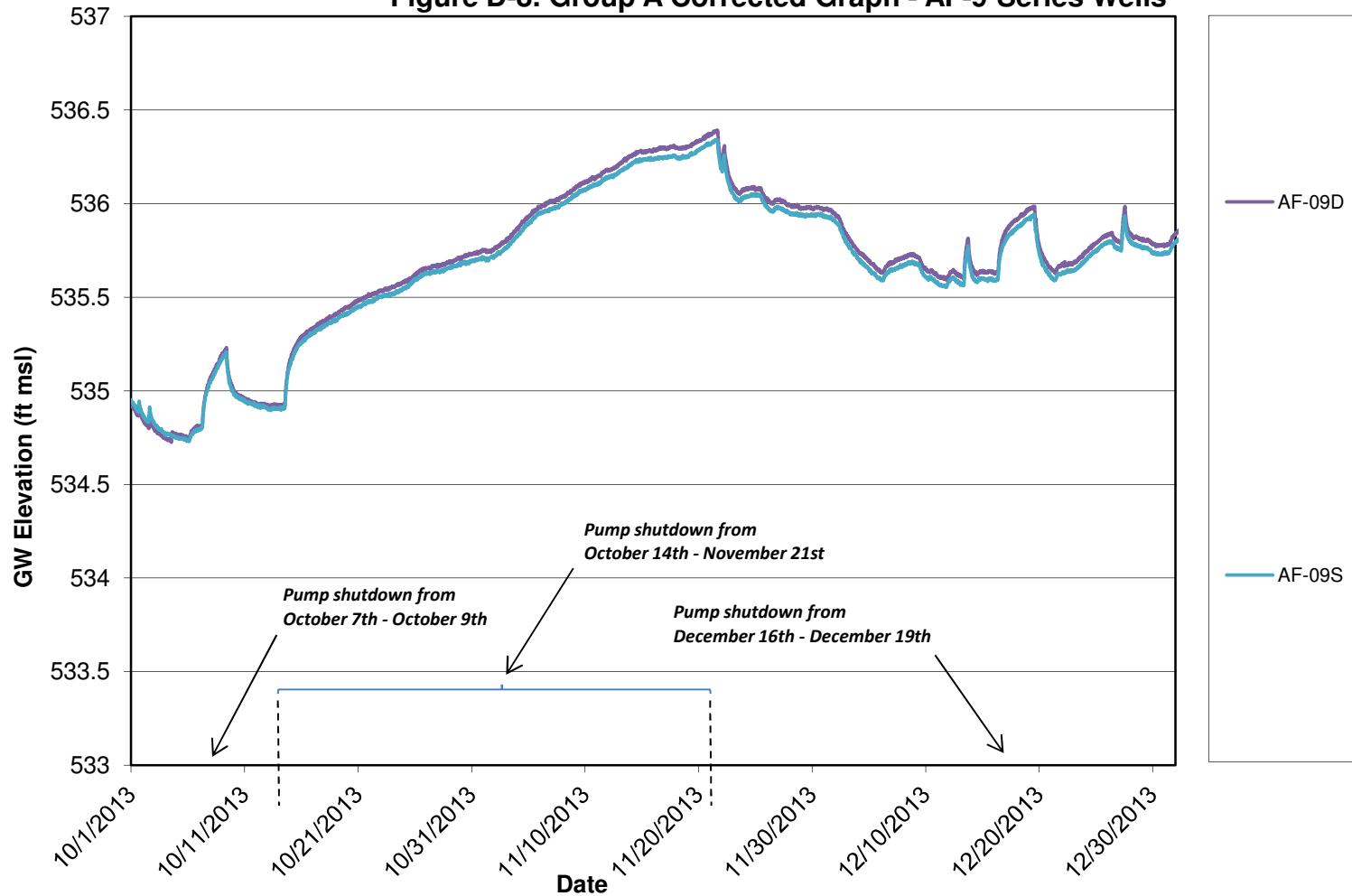
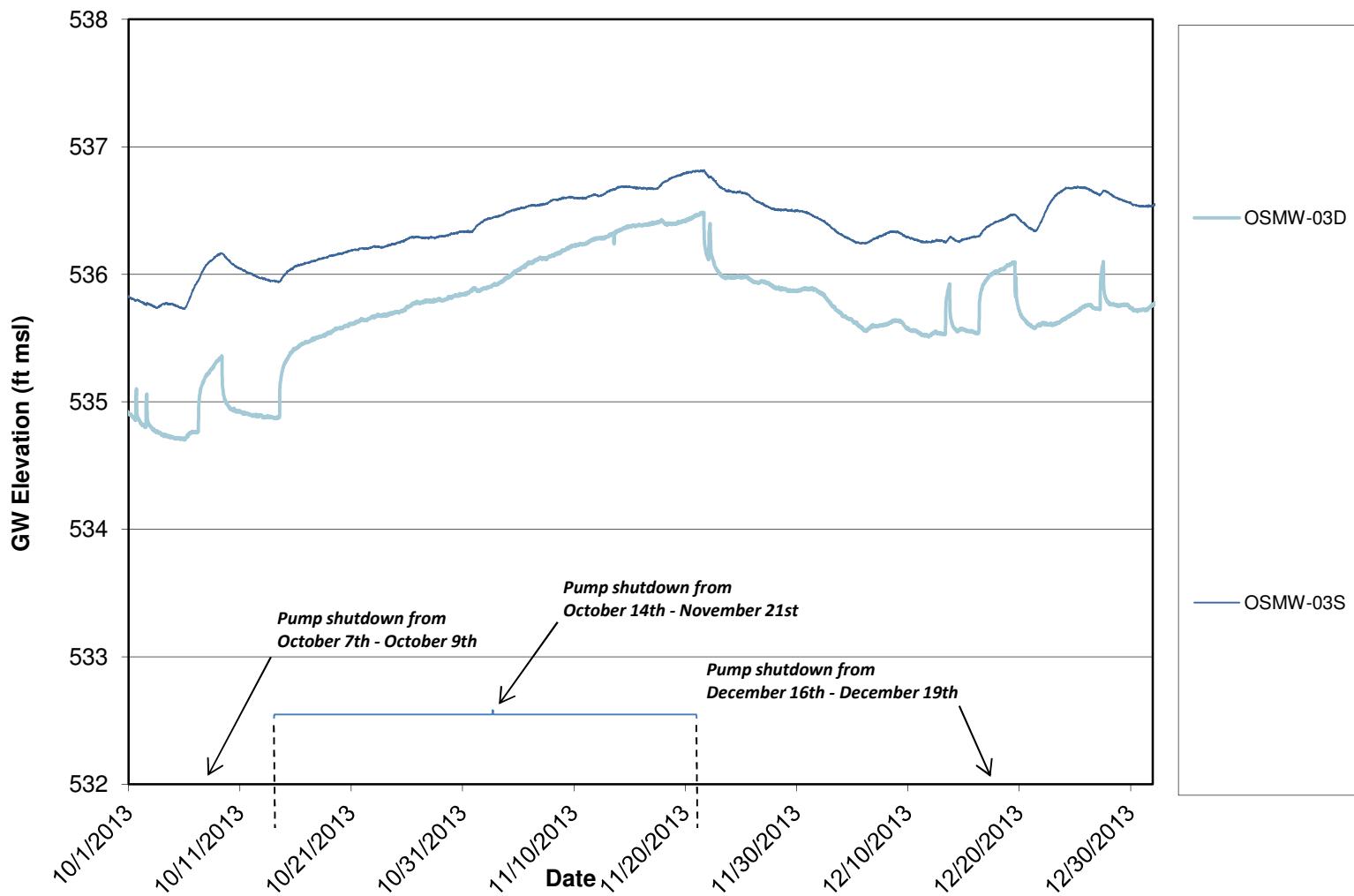


Figure D-9. Group A Corrected Graph - OSMW-3 Series Wells



Appendix E

*Field Parameters and Total
VOC Concentration Plots for
Select Monitoring Wells*

Figure E-1. DO, ORP, pH

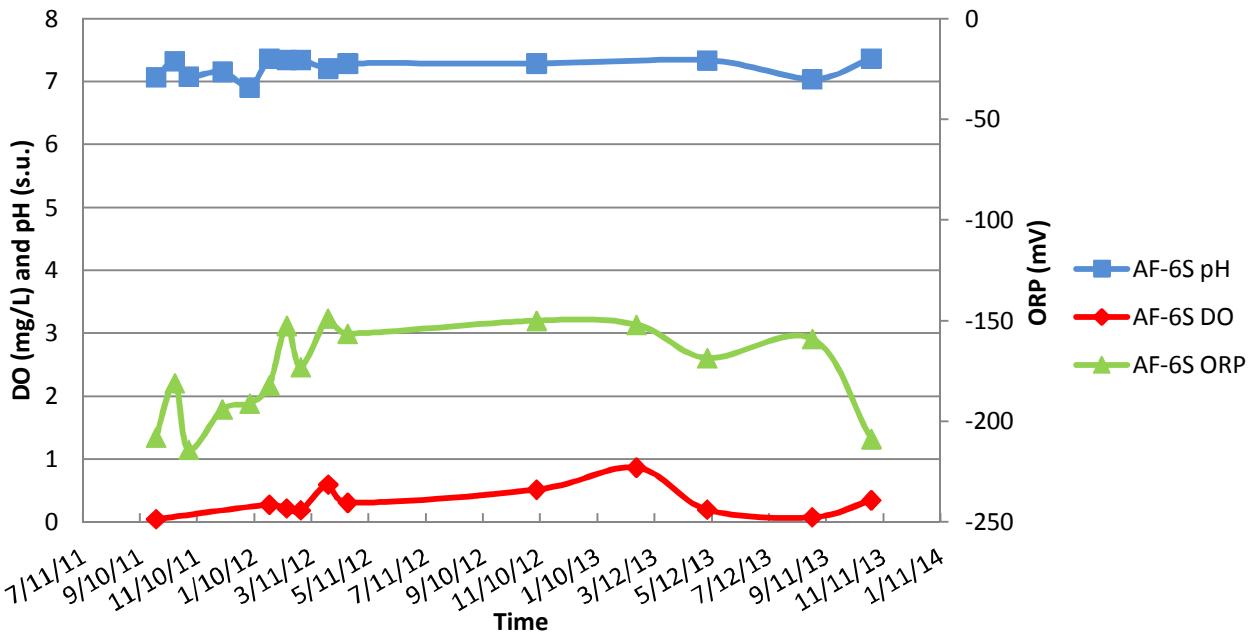


Figure E-1. Total VOCs

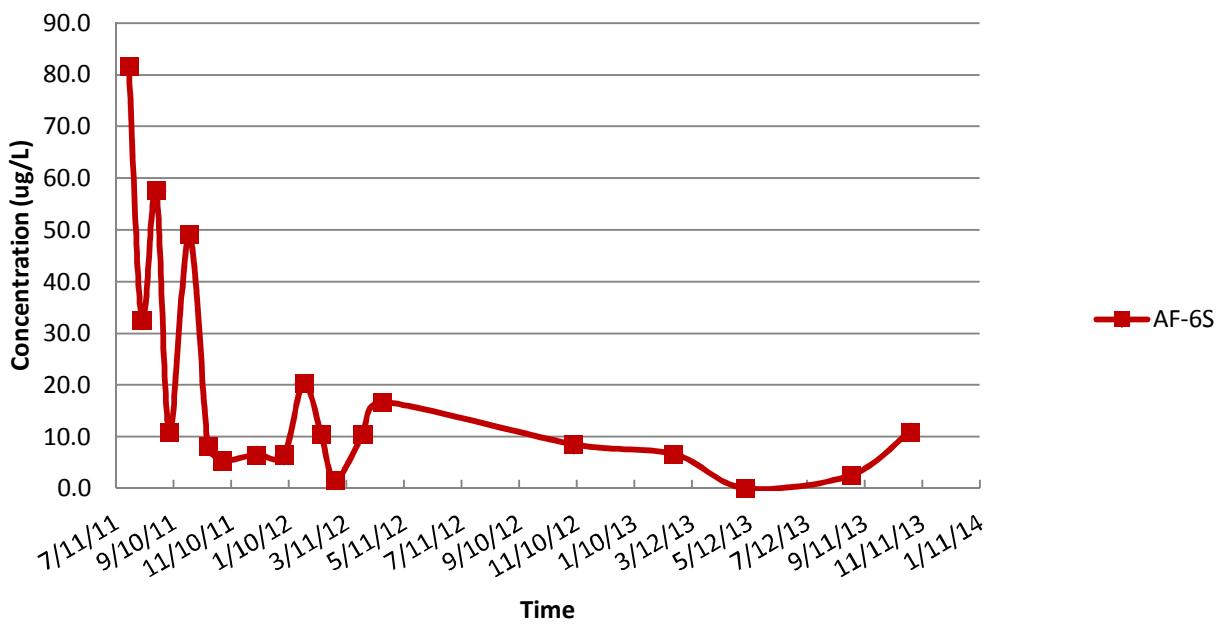


Figure E-2. DO, ORP, pH

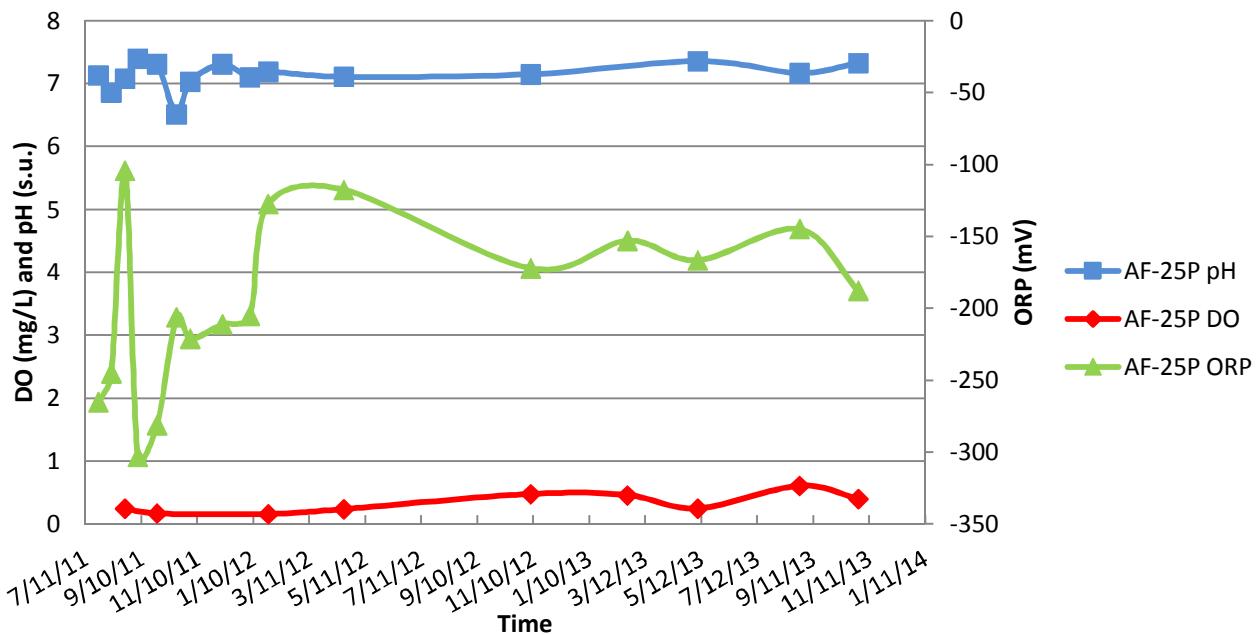


Figure E-2. Total VOCs

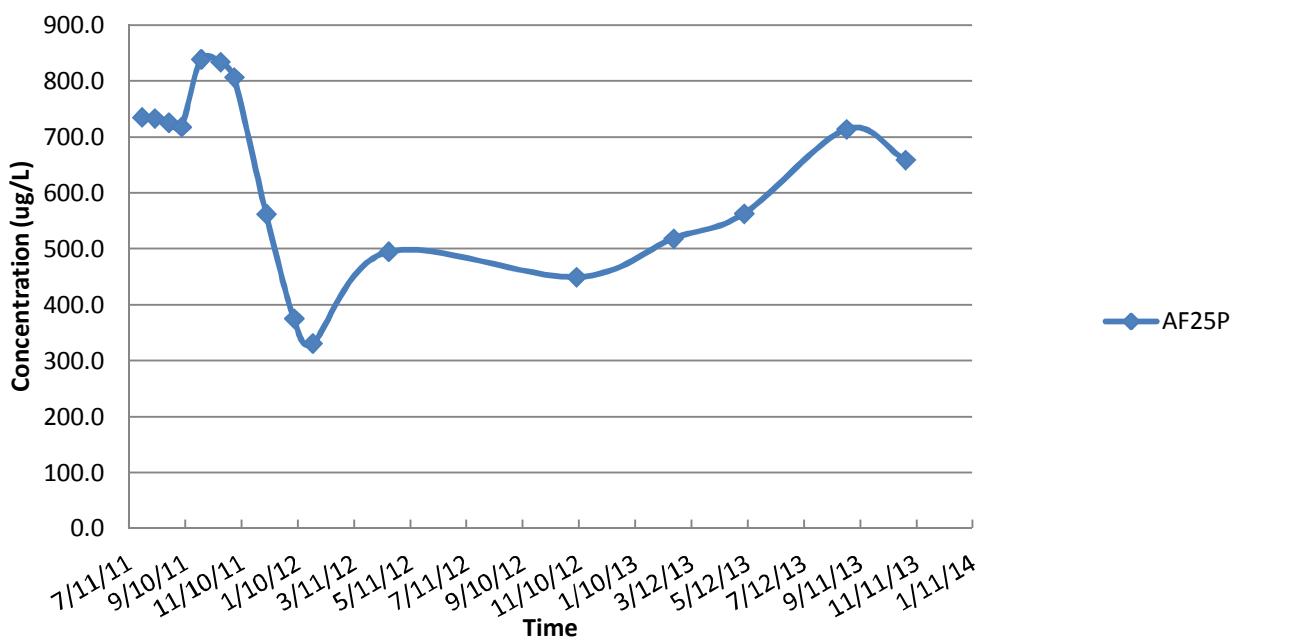


Figure E-3. DO, ORP, pH

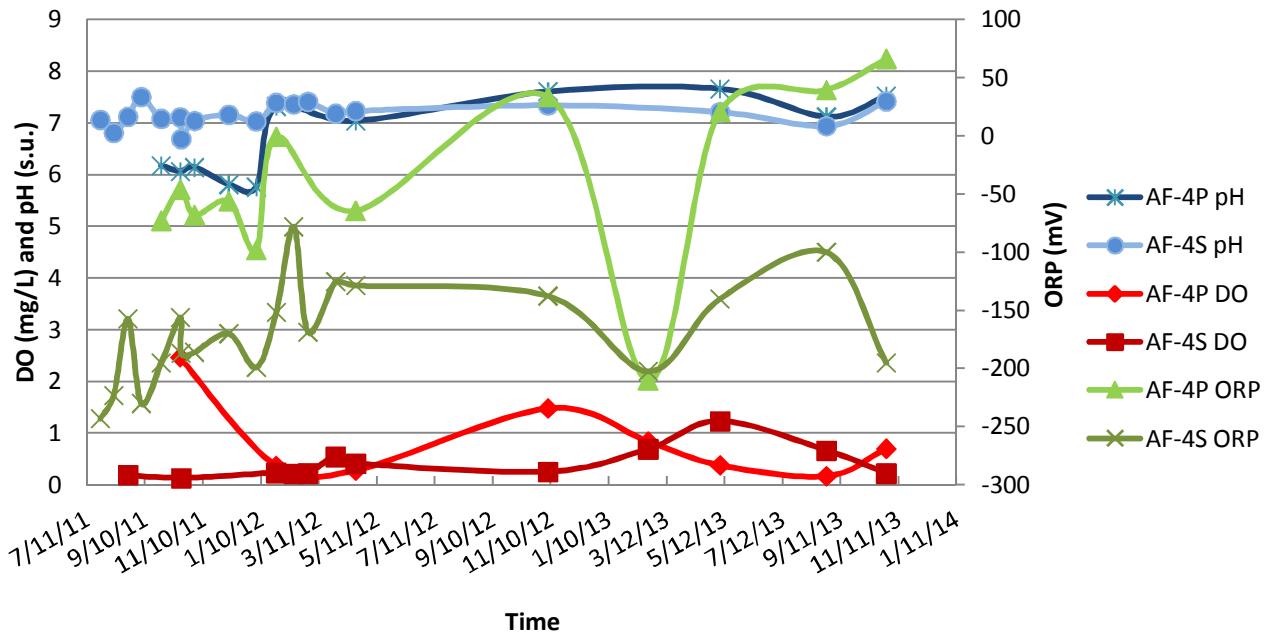


Figure E-3. Total VOCs

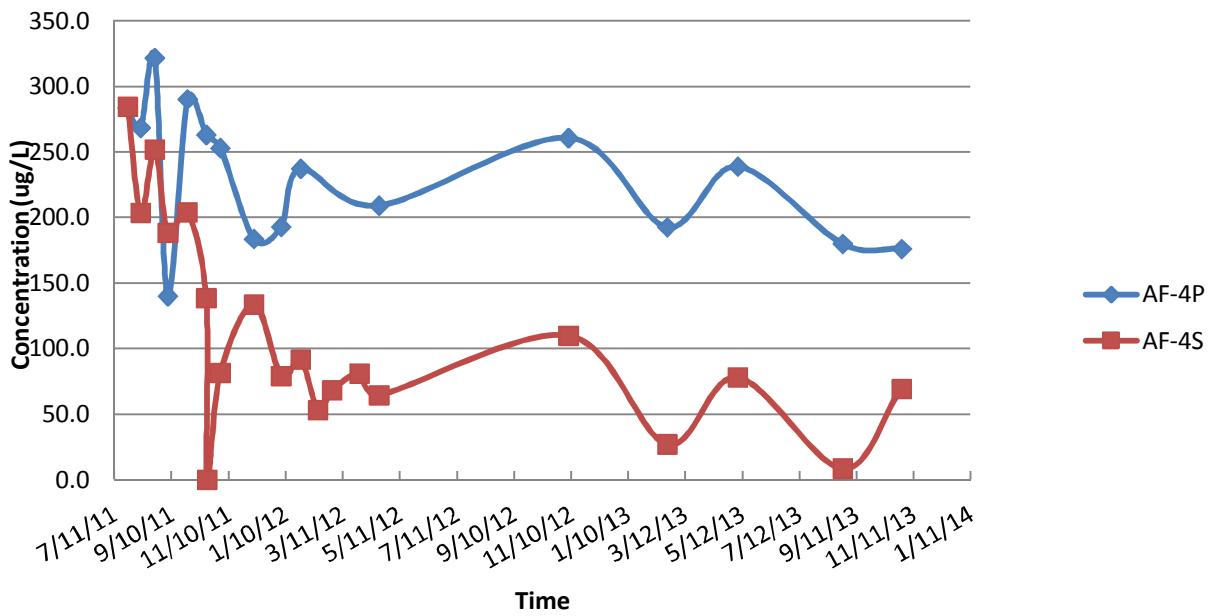


Figure E-4. DO, ORP, pH

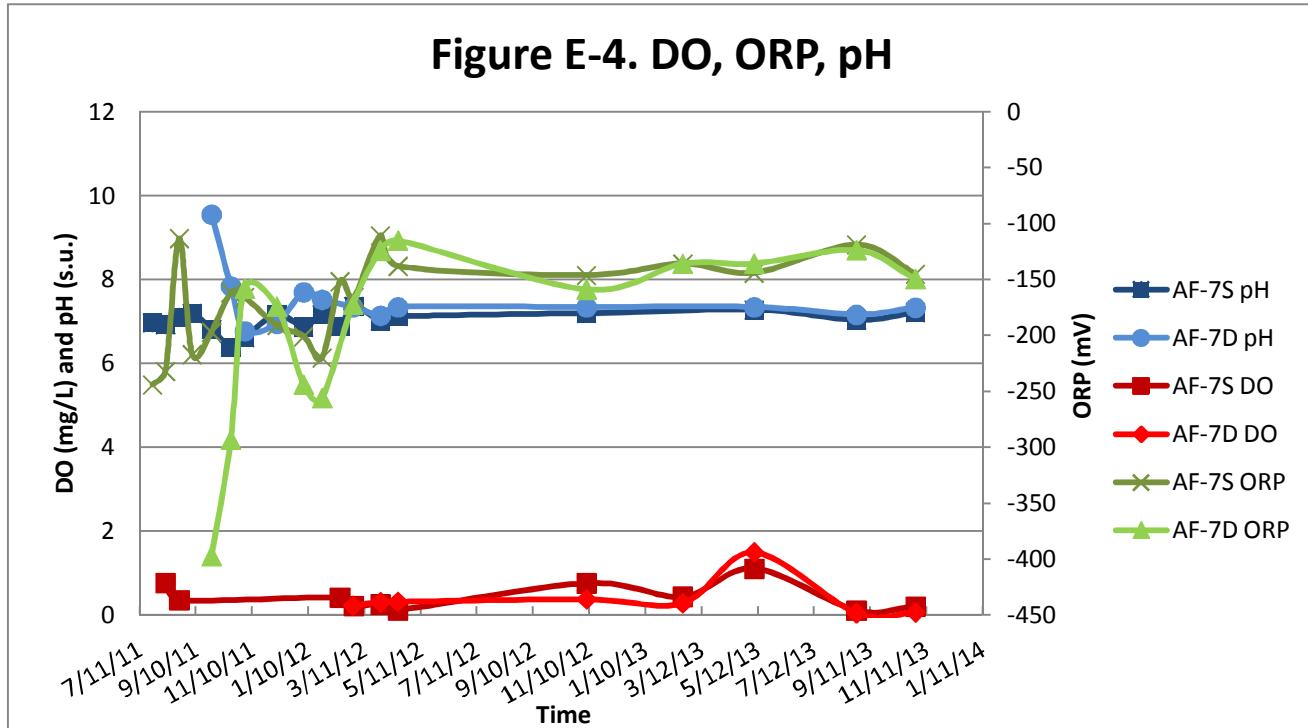


Figure E-4. Total VOCs

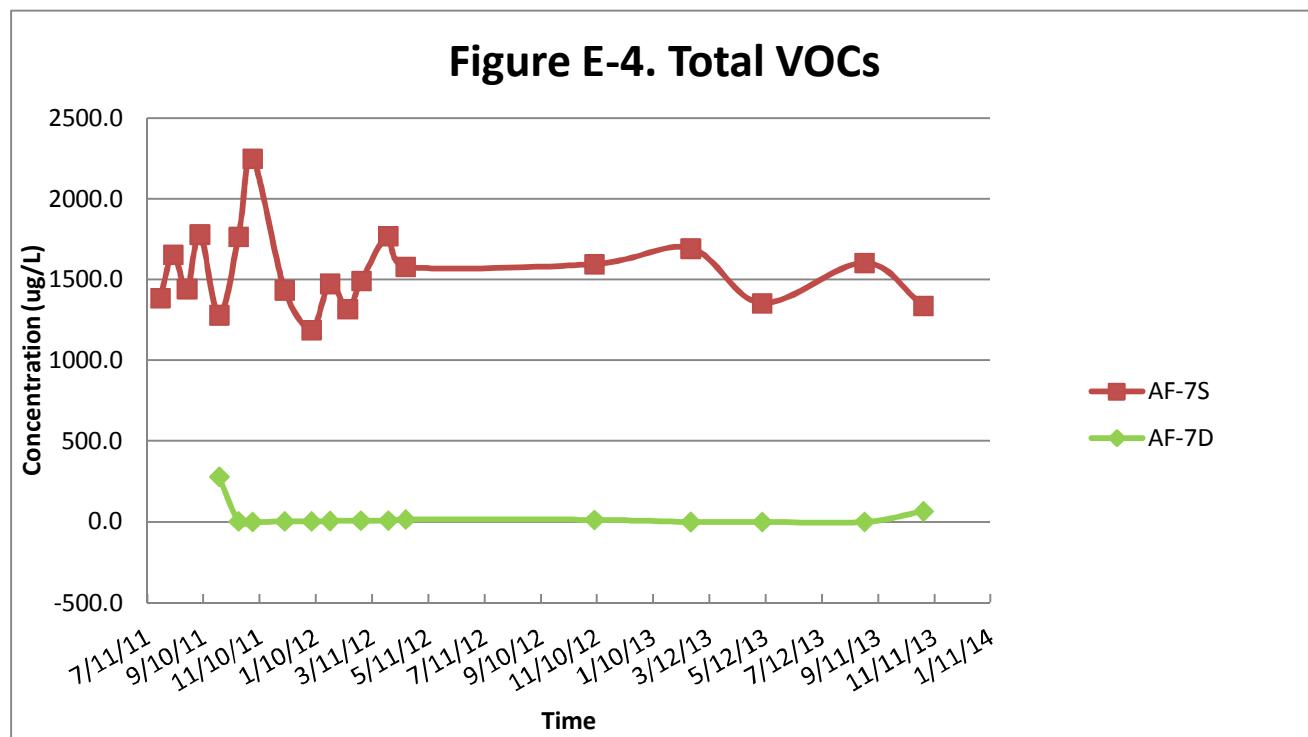


Figure E-5. DO, ORP, pH

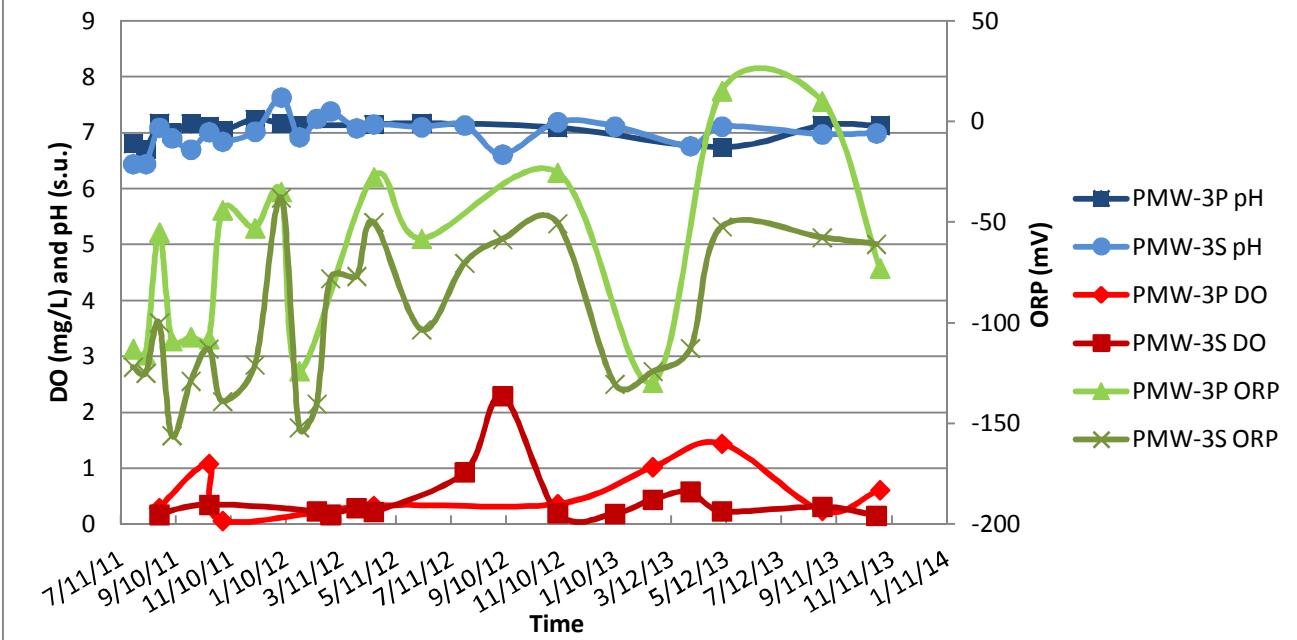


Figure E-5. Total VOCs

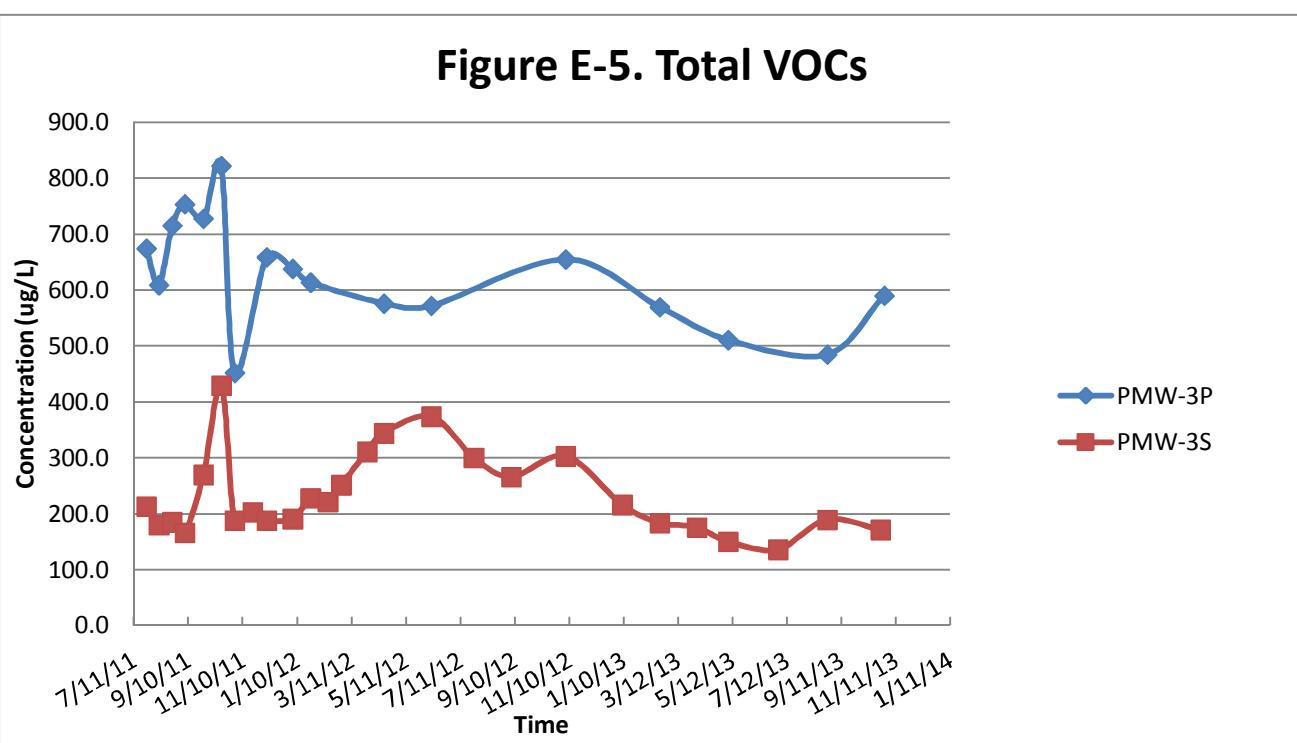


Figure E-6. DO, ORP, pH

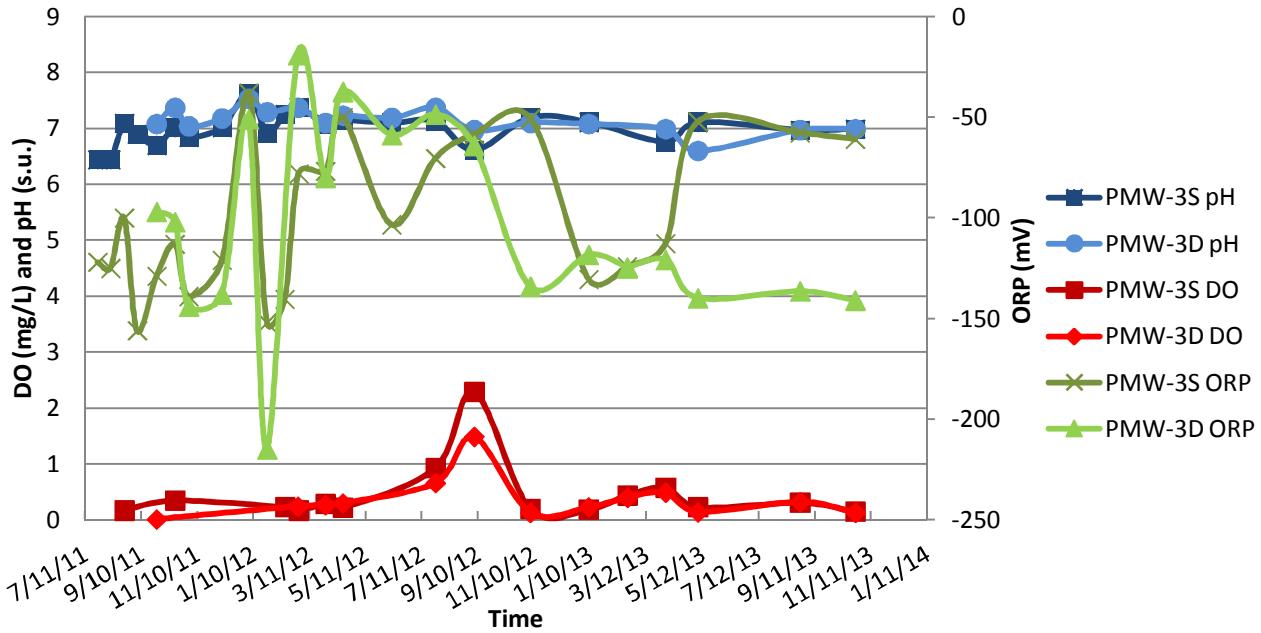


Figure E-6. Total VOCs

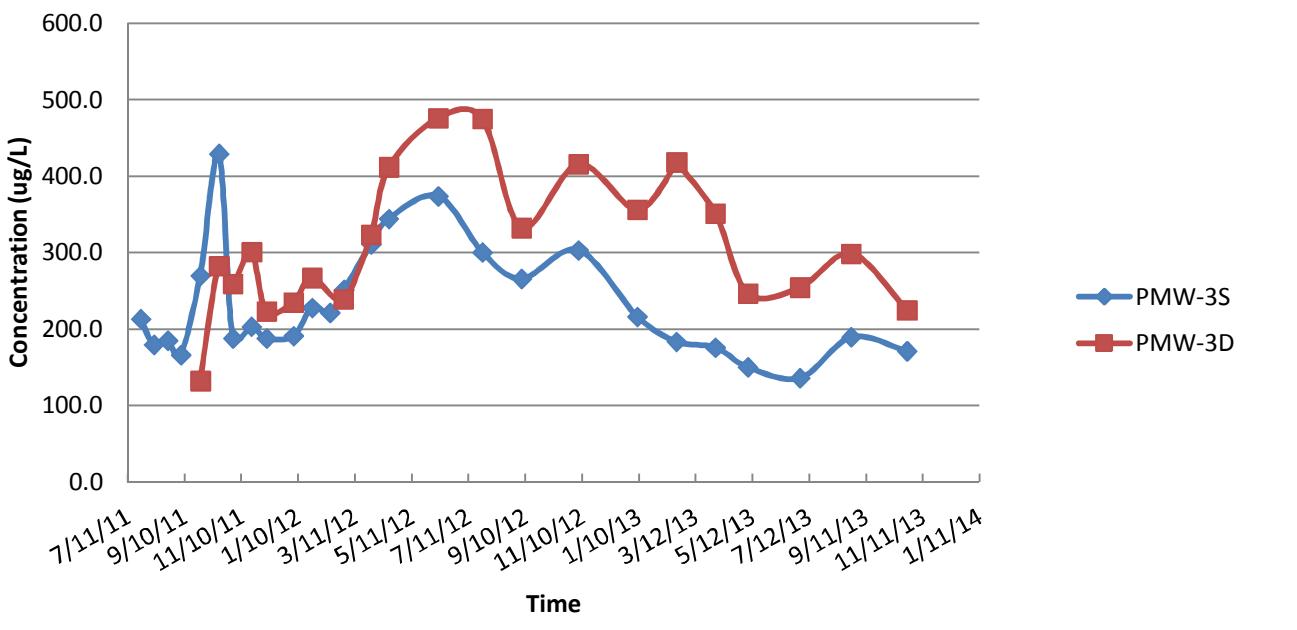


Figure E-7. DO, ORP, pH

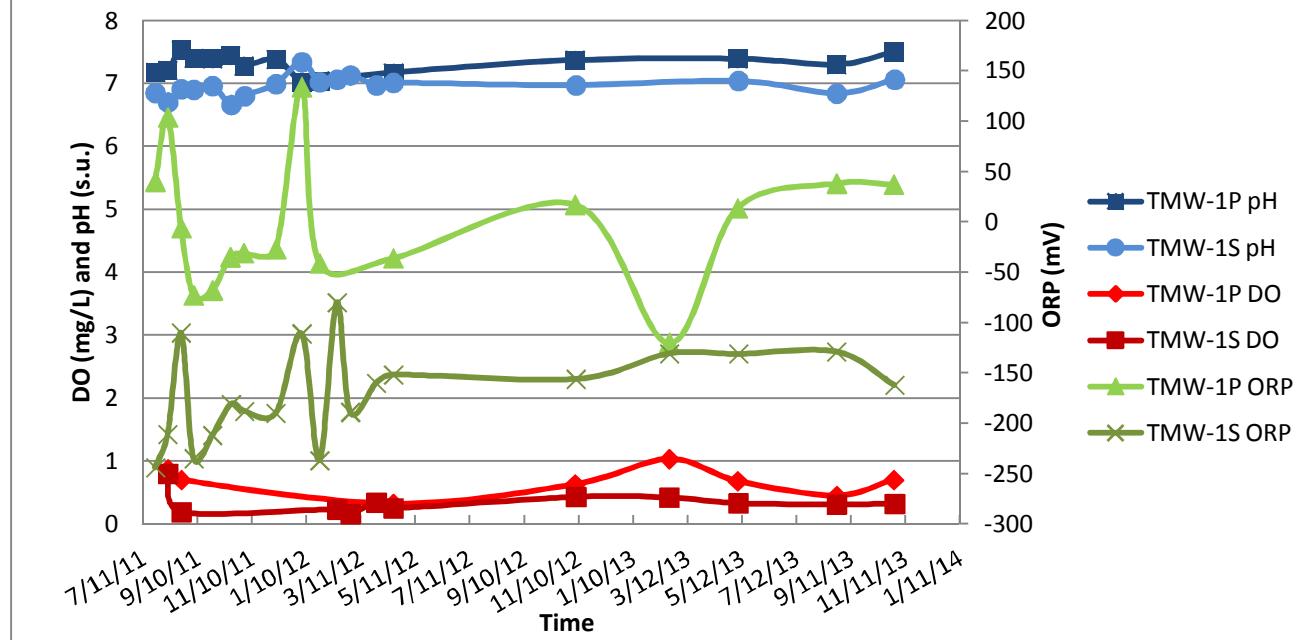


Figure E-7. Total VOCs

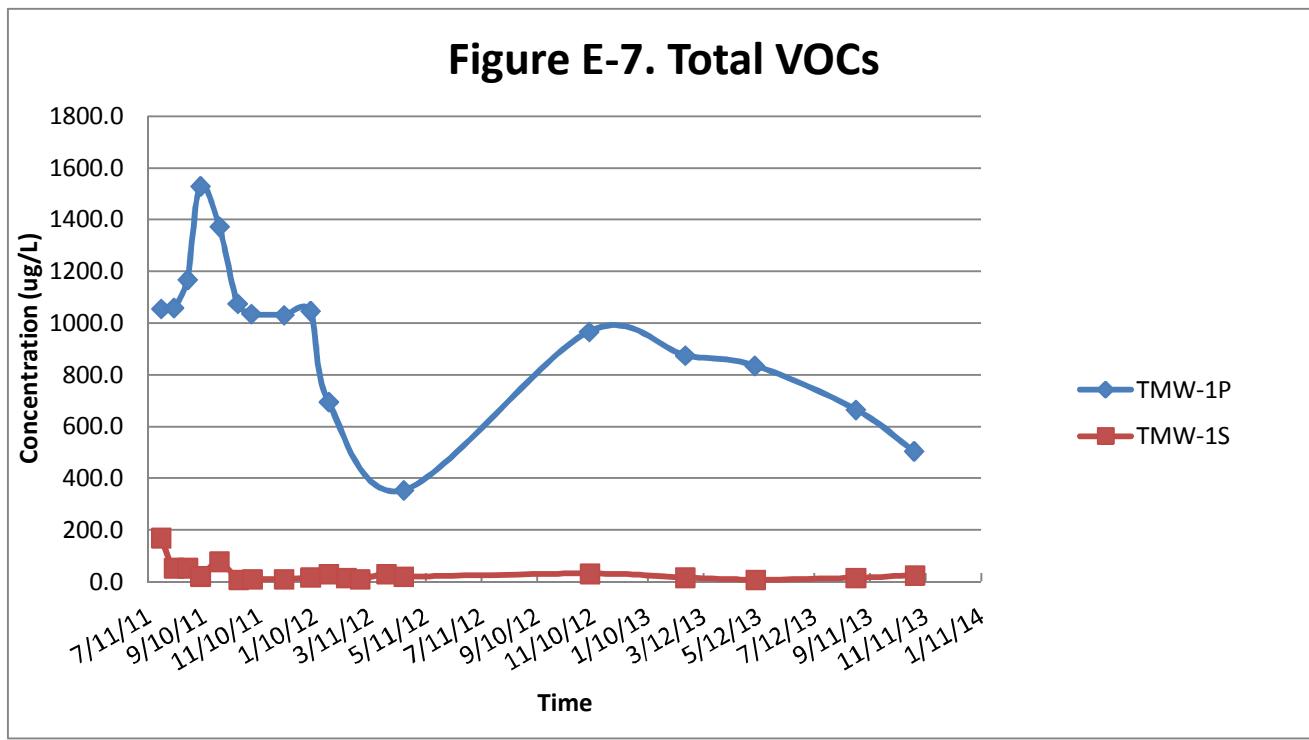


Figure E-8. DO, ORP, pH

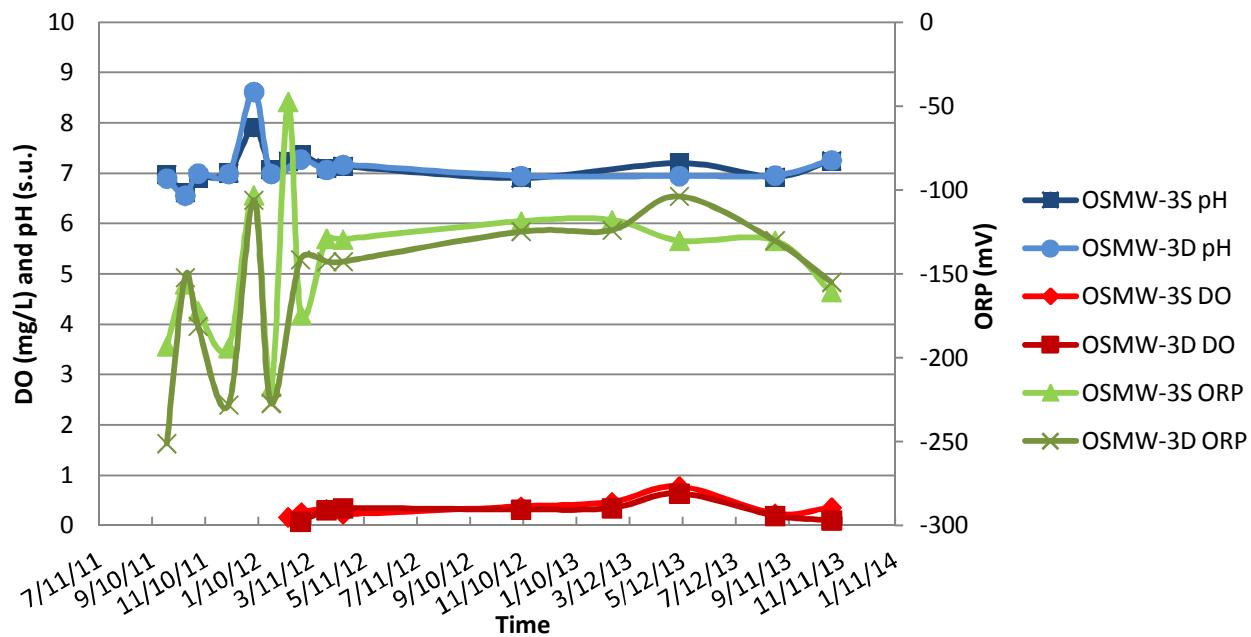


Figure E-8. Total VOCs

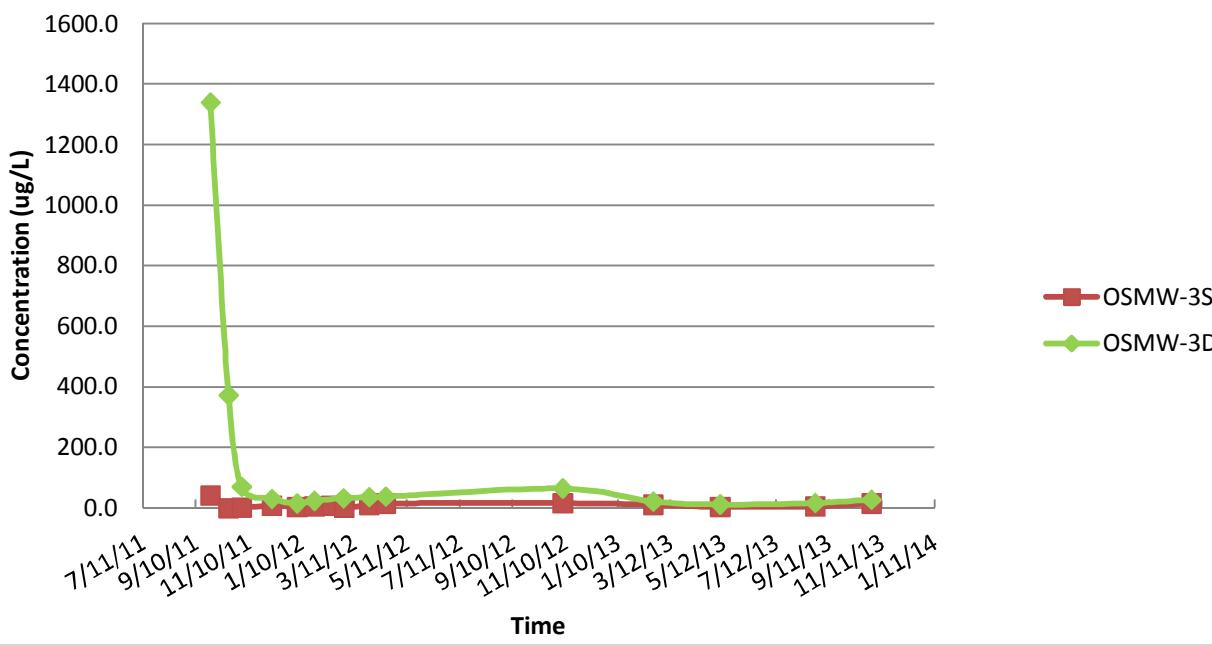


Figure E-9. DO, ORP, pH

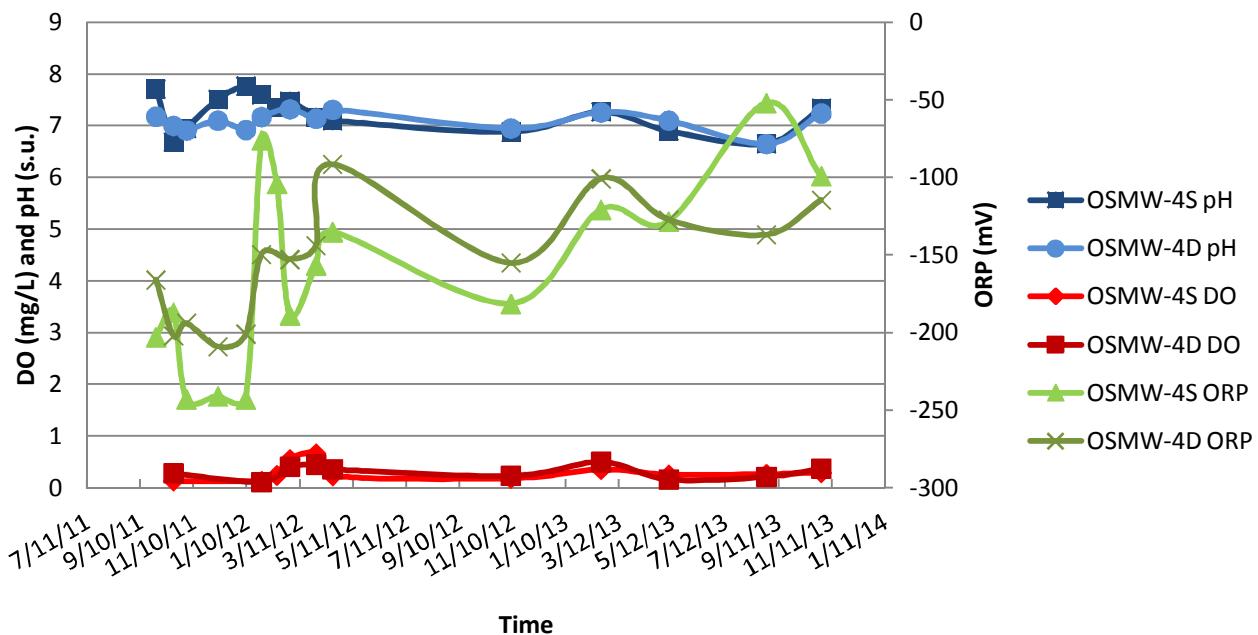


Figure E-9. Total VOCs

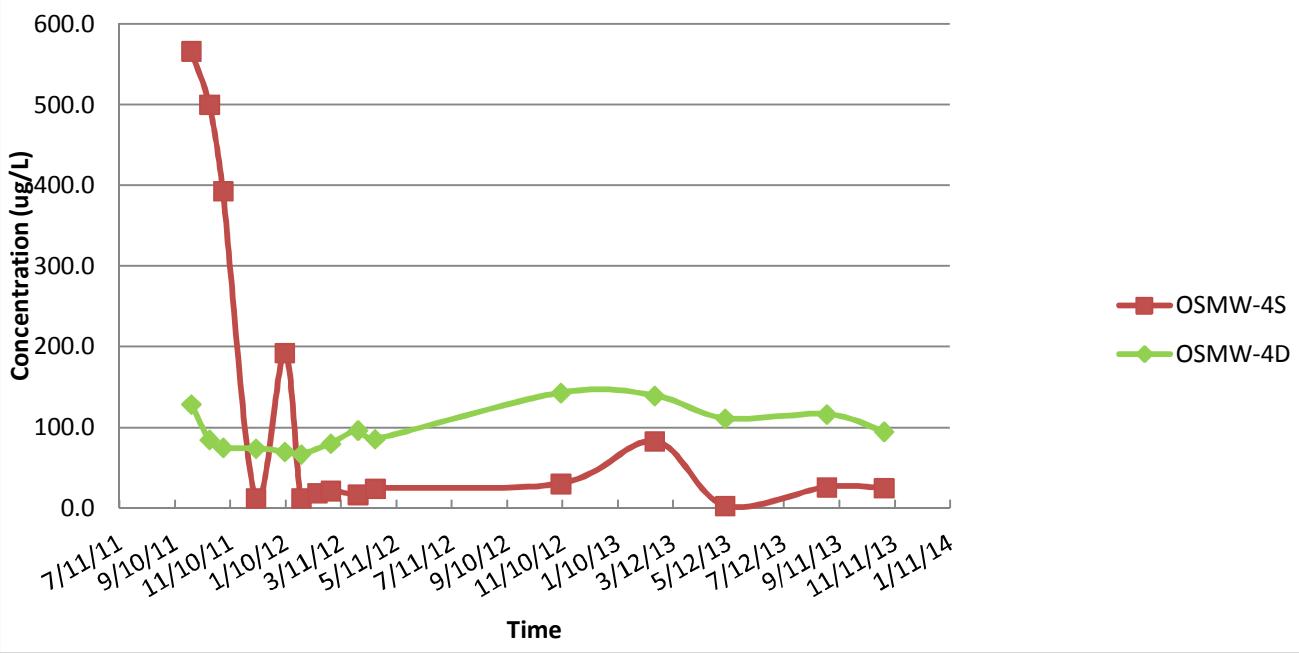


Figure E-10. DO, ORP, pH

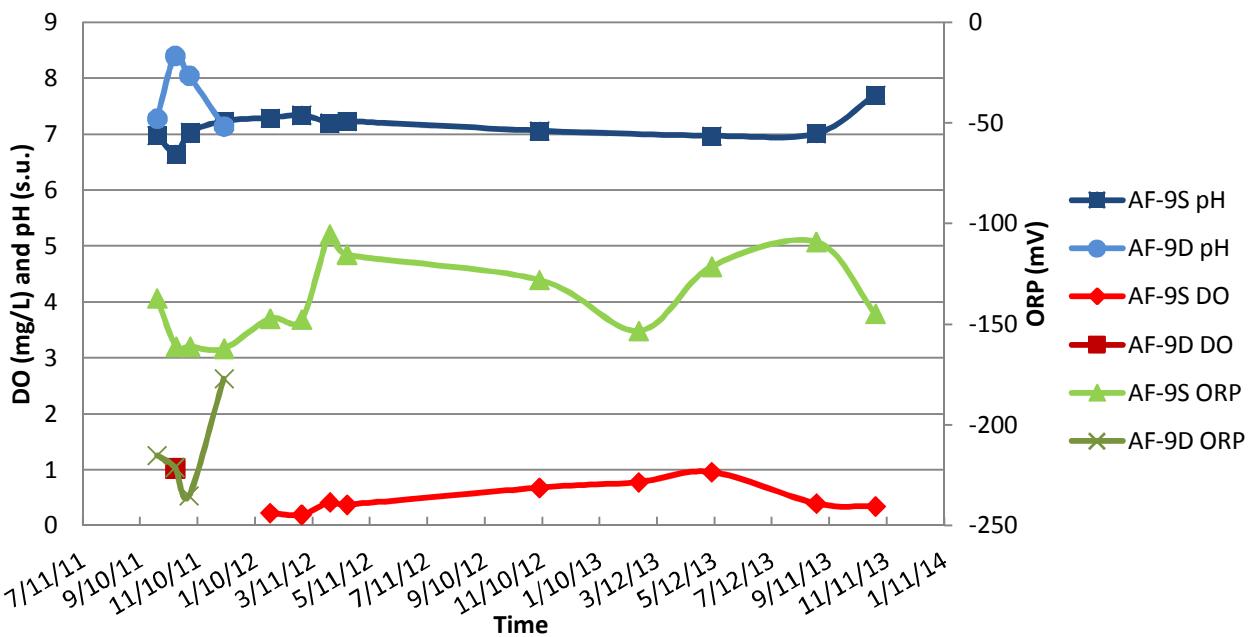


Figure E-10. Total VOCs

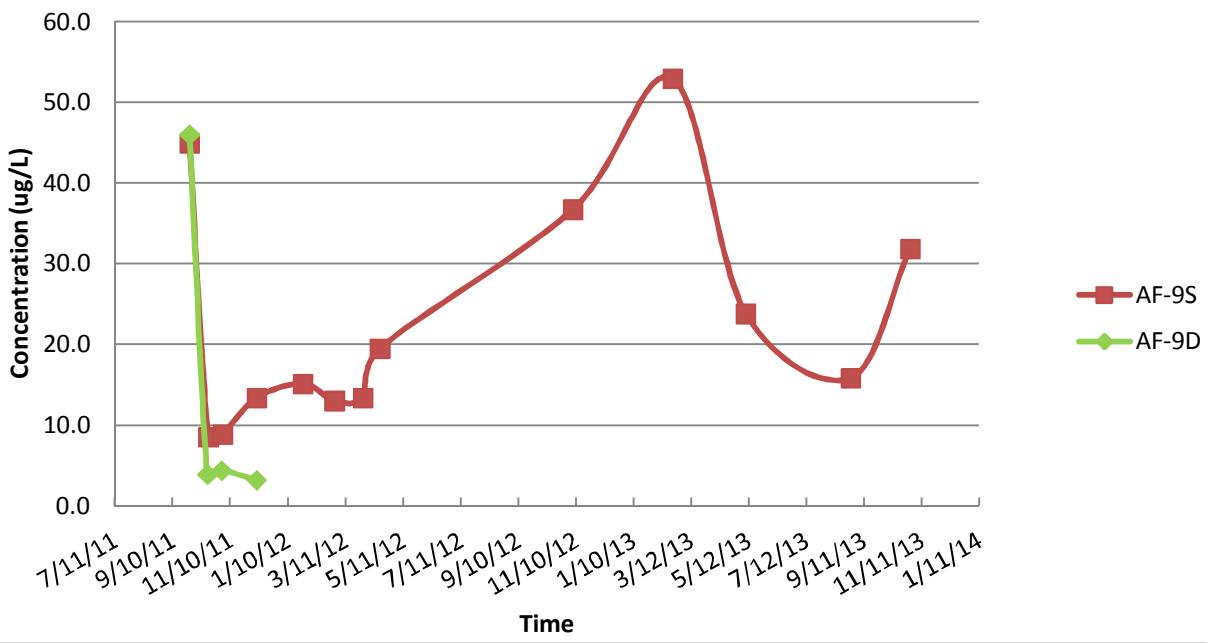


Figure E-11. DO, ORP, pH

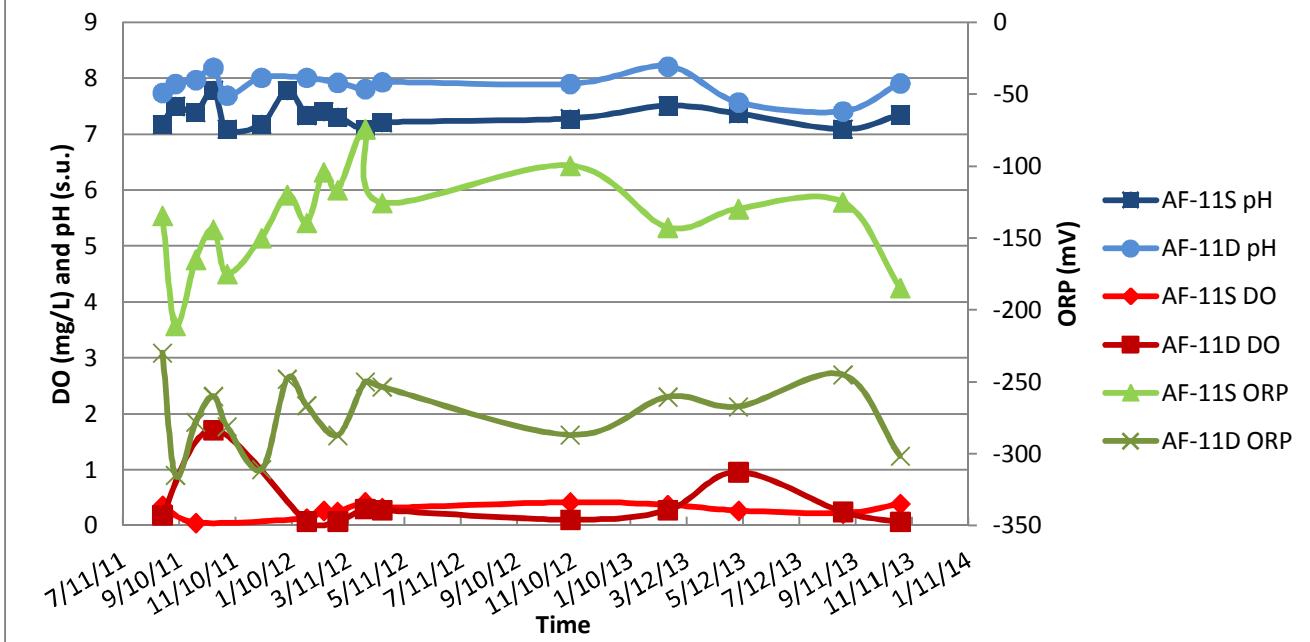


Figure E-11. Total VOCs

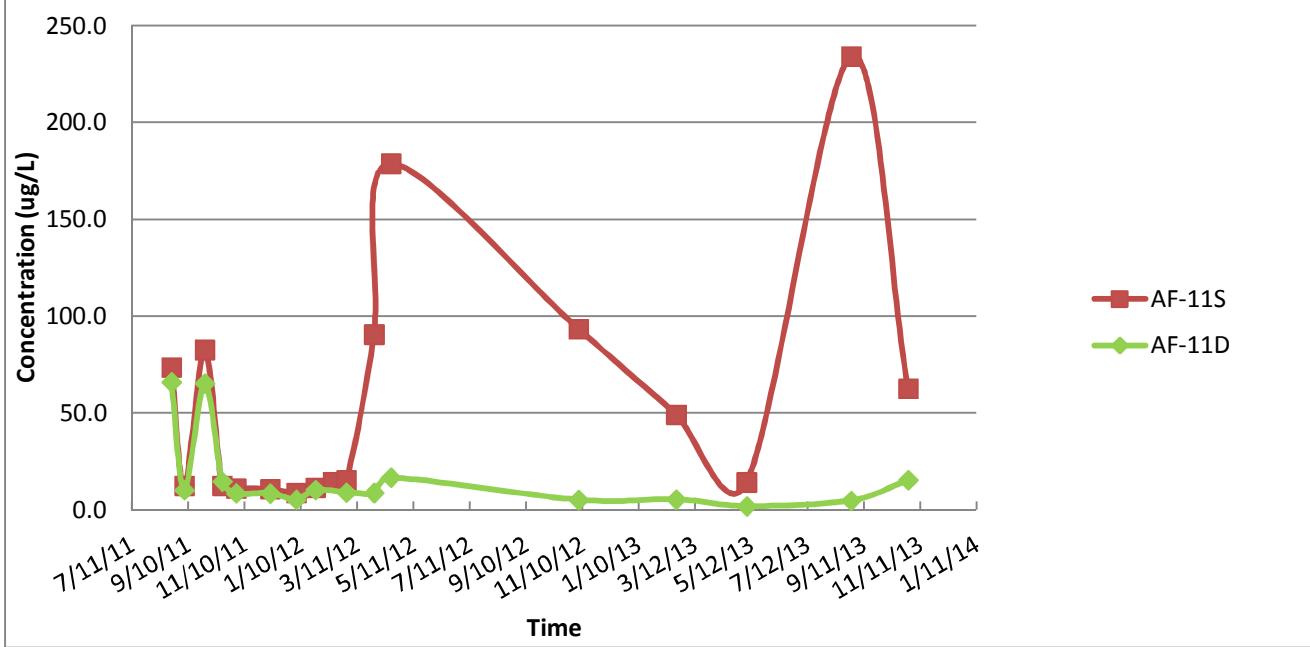


Figure E-12. DO, ORP, pH

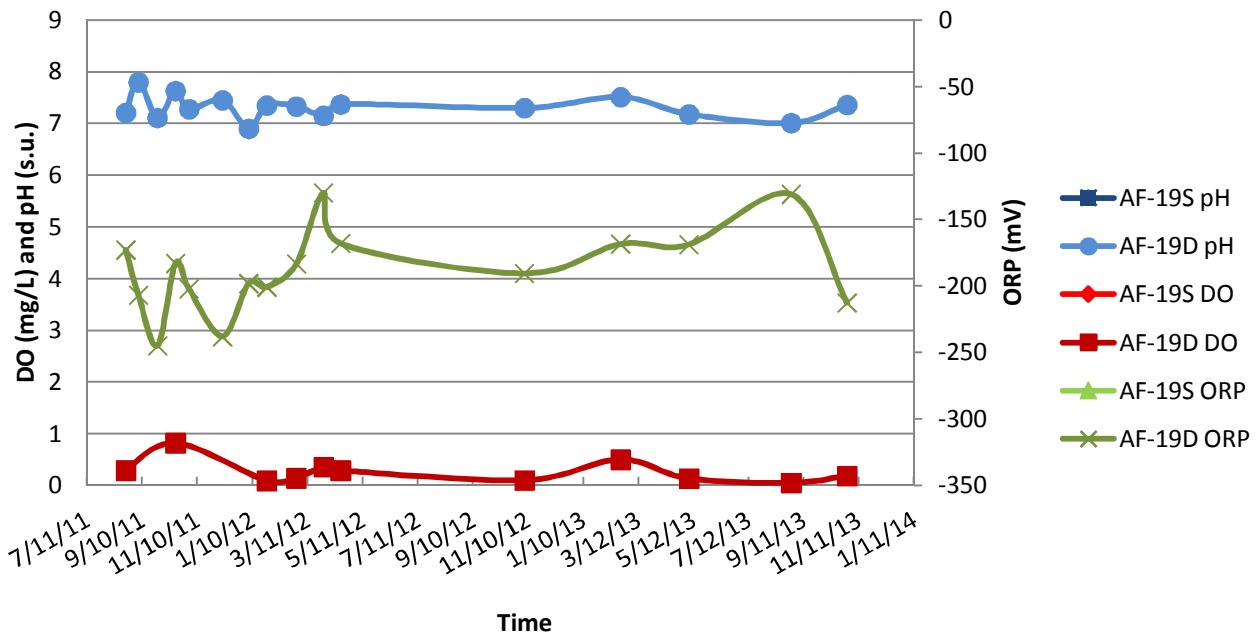


Figure E-12. Total VOCs

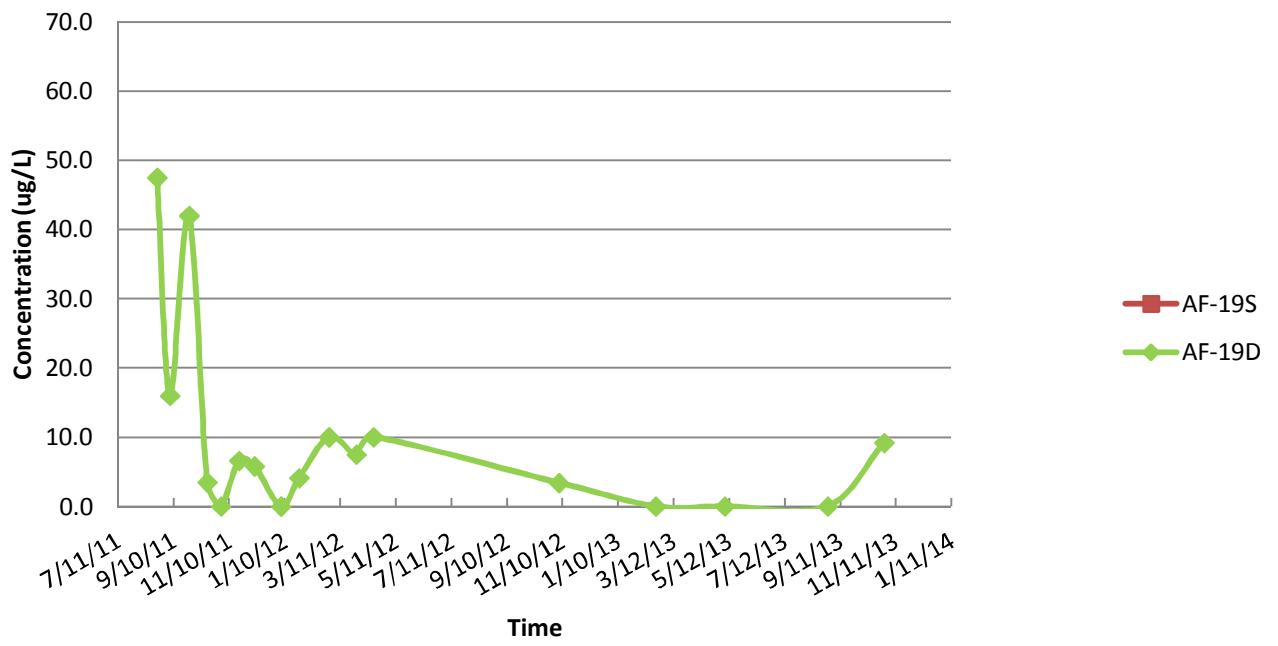


Figure E-13. DO, ORP, pH

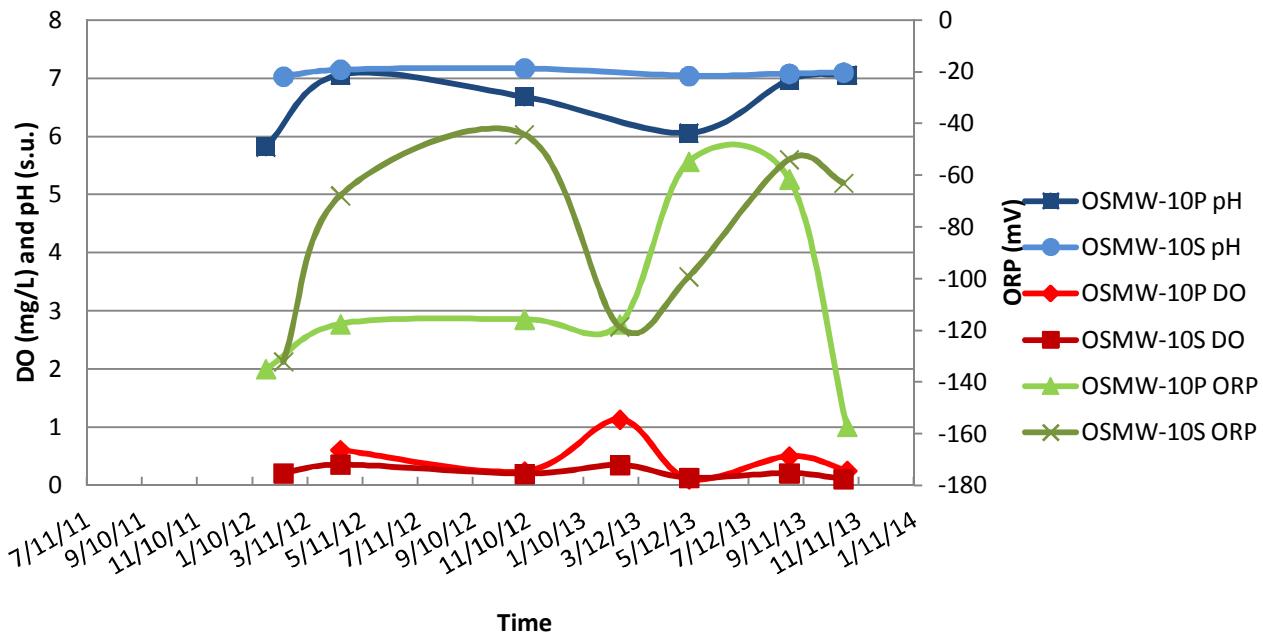


Figure E-13. Total VOCs

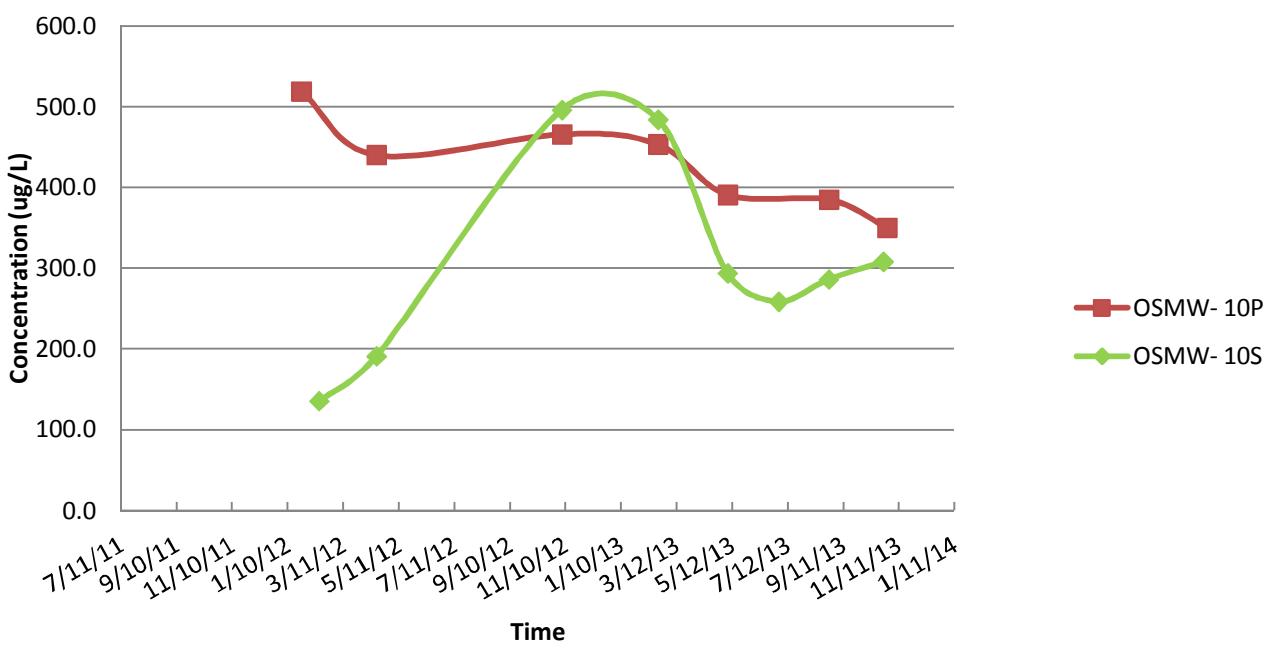


Figure E-14. DO, ORP, pH

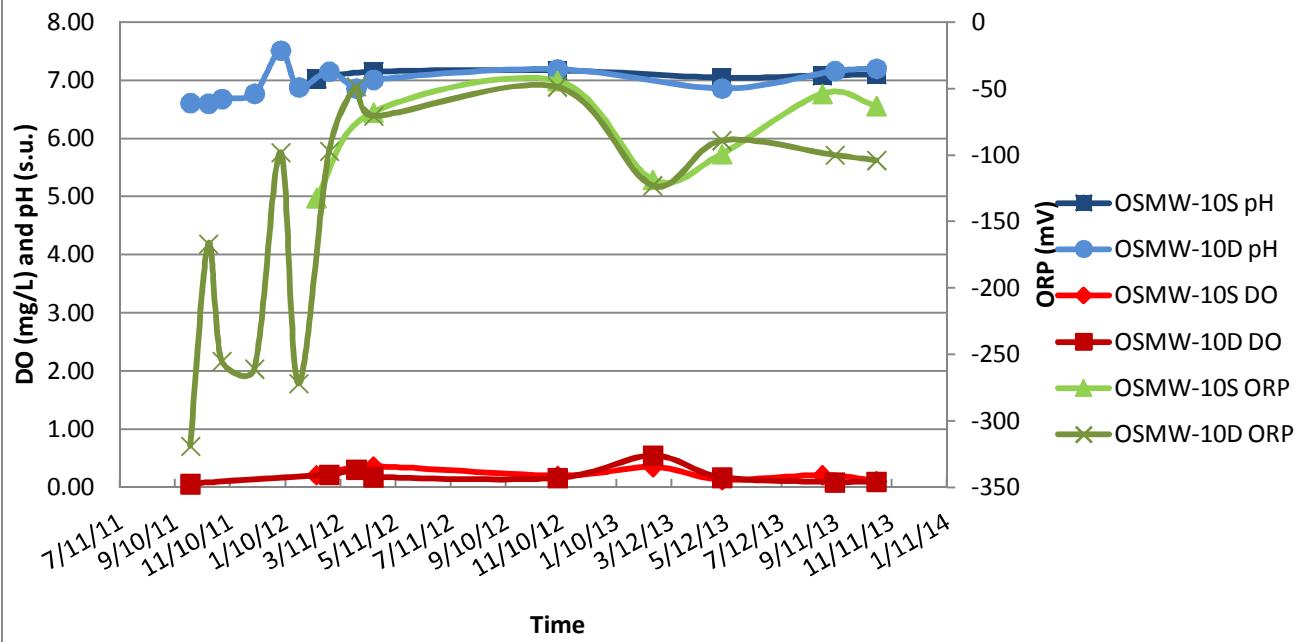
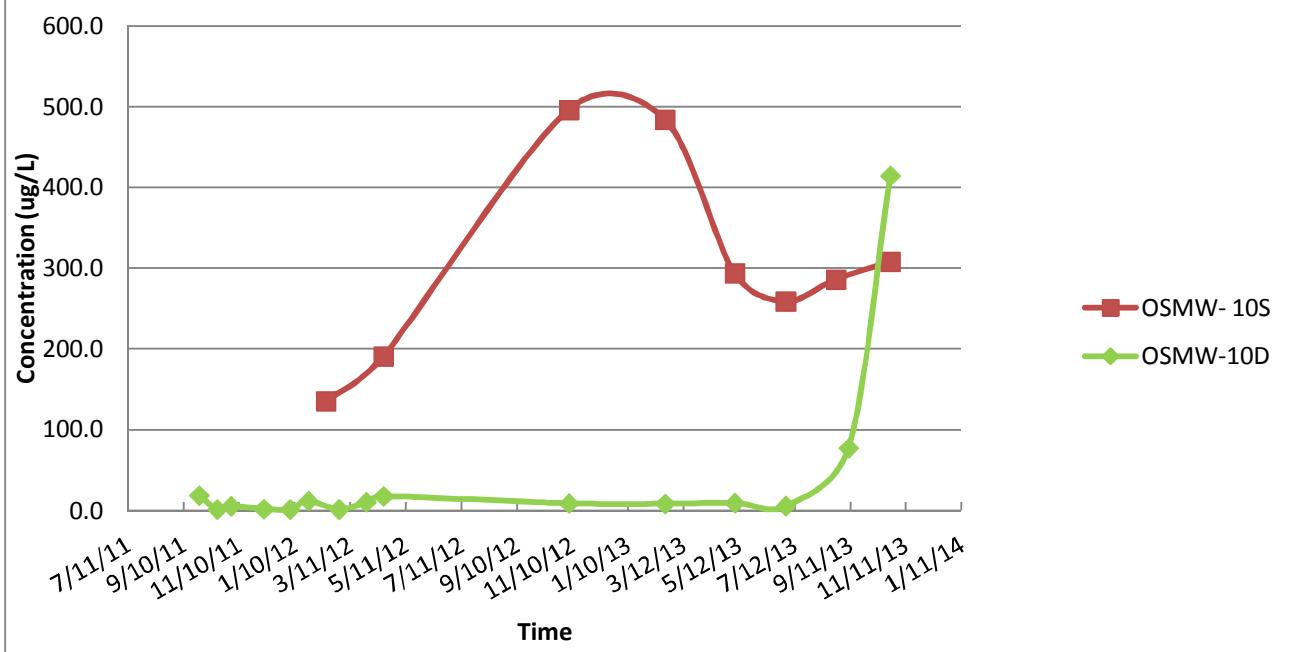


Figure E-14. Total VOCs



Appendix F
***Total VOC and CVOC
Concentration Plots for
Extraction Wells***

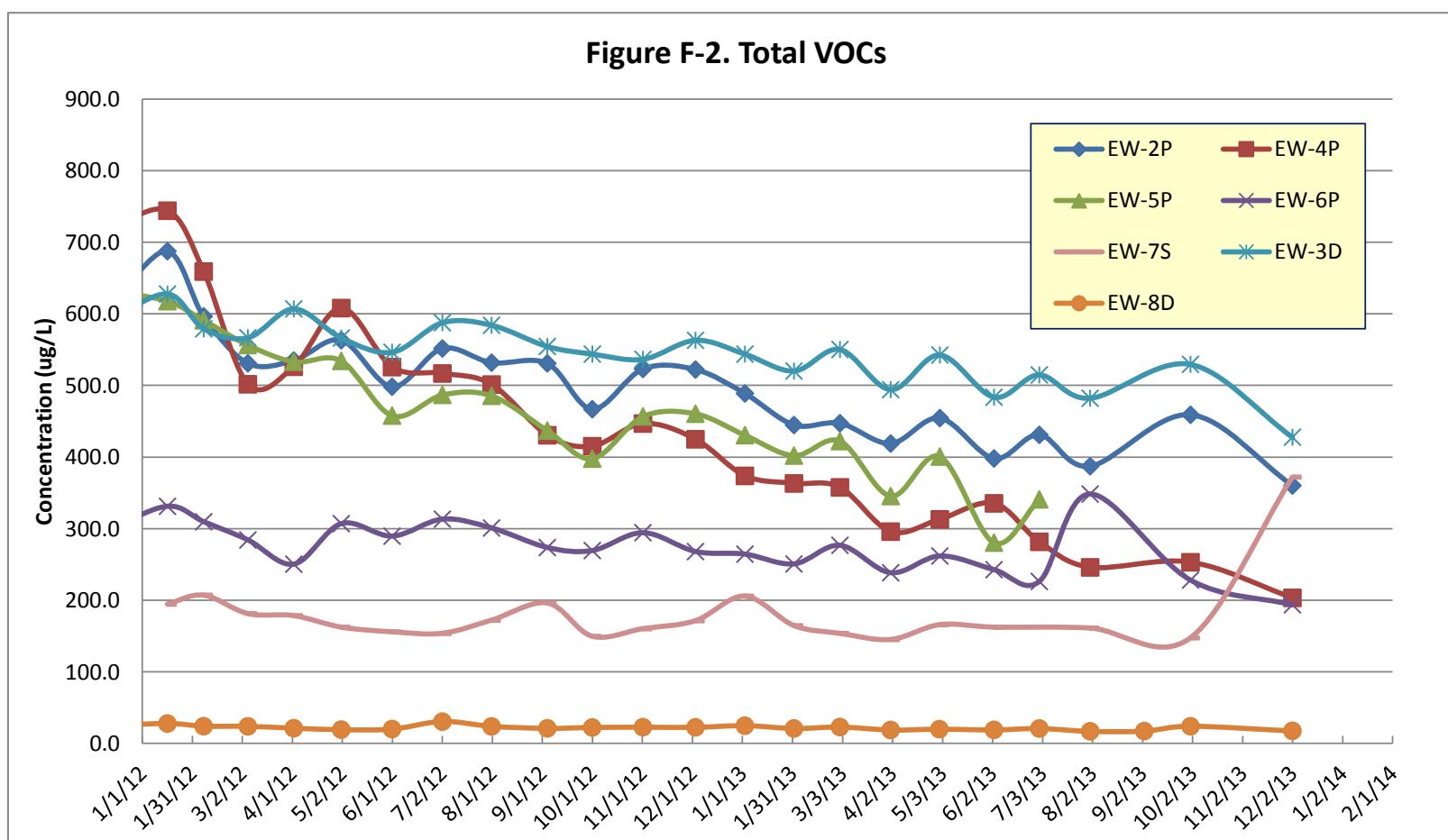
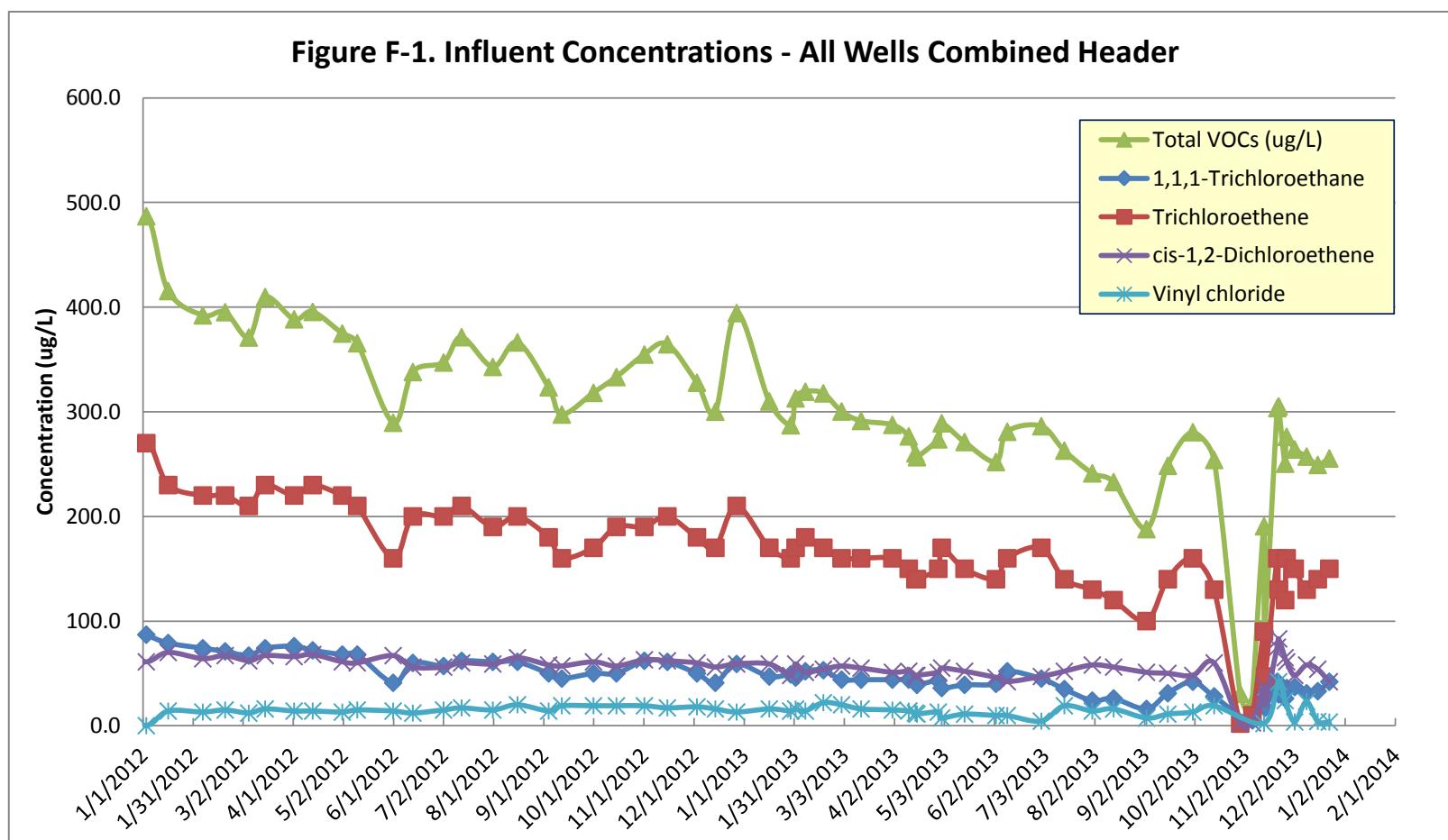


Figure F-3. Influent Concentrations - EW-2P

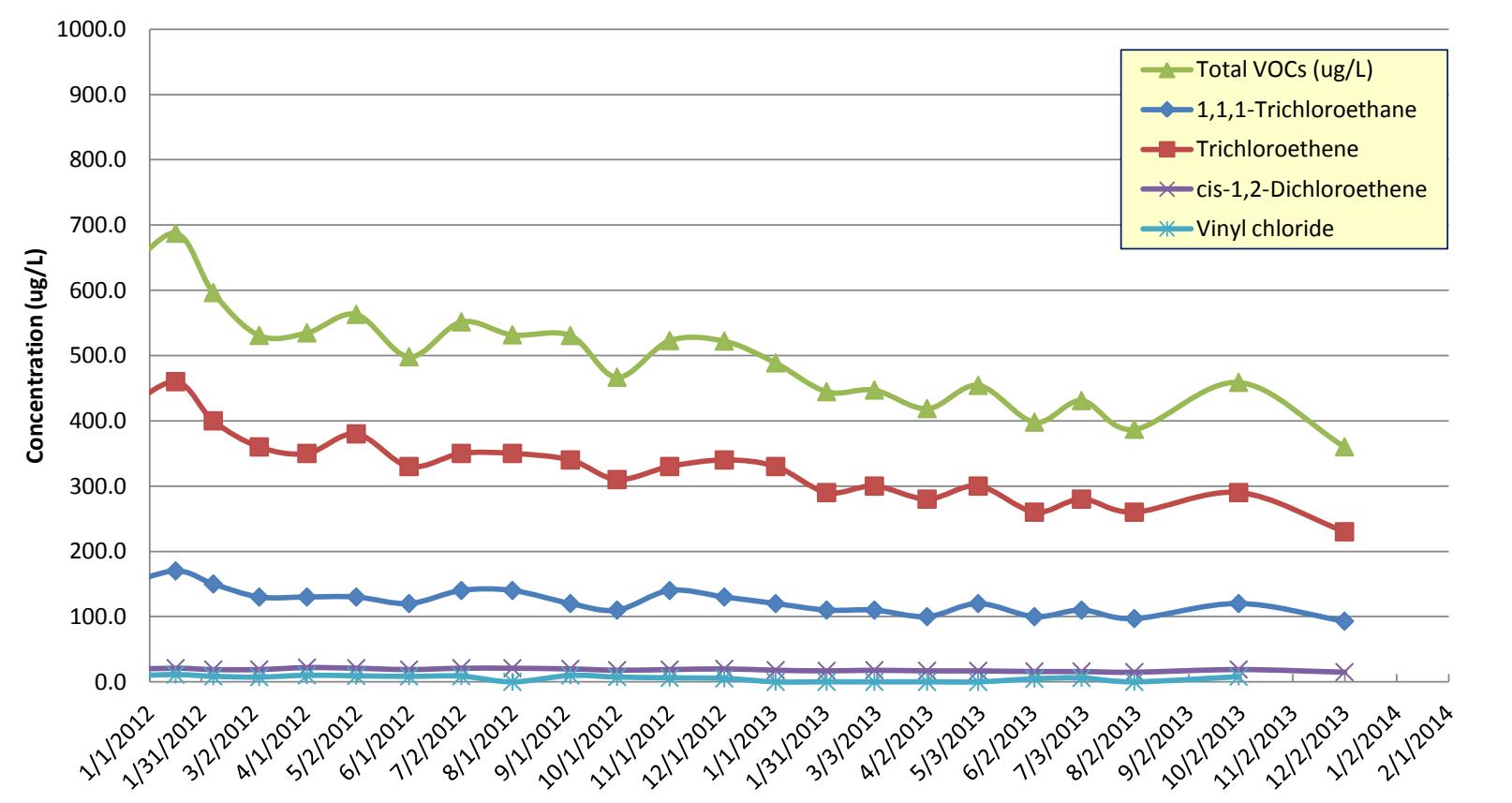


Figure F-4. Influent Concentrations - EW-4P

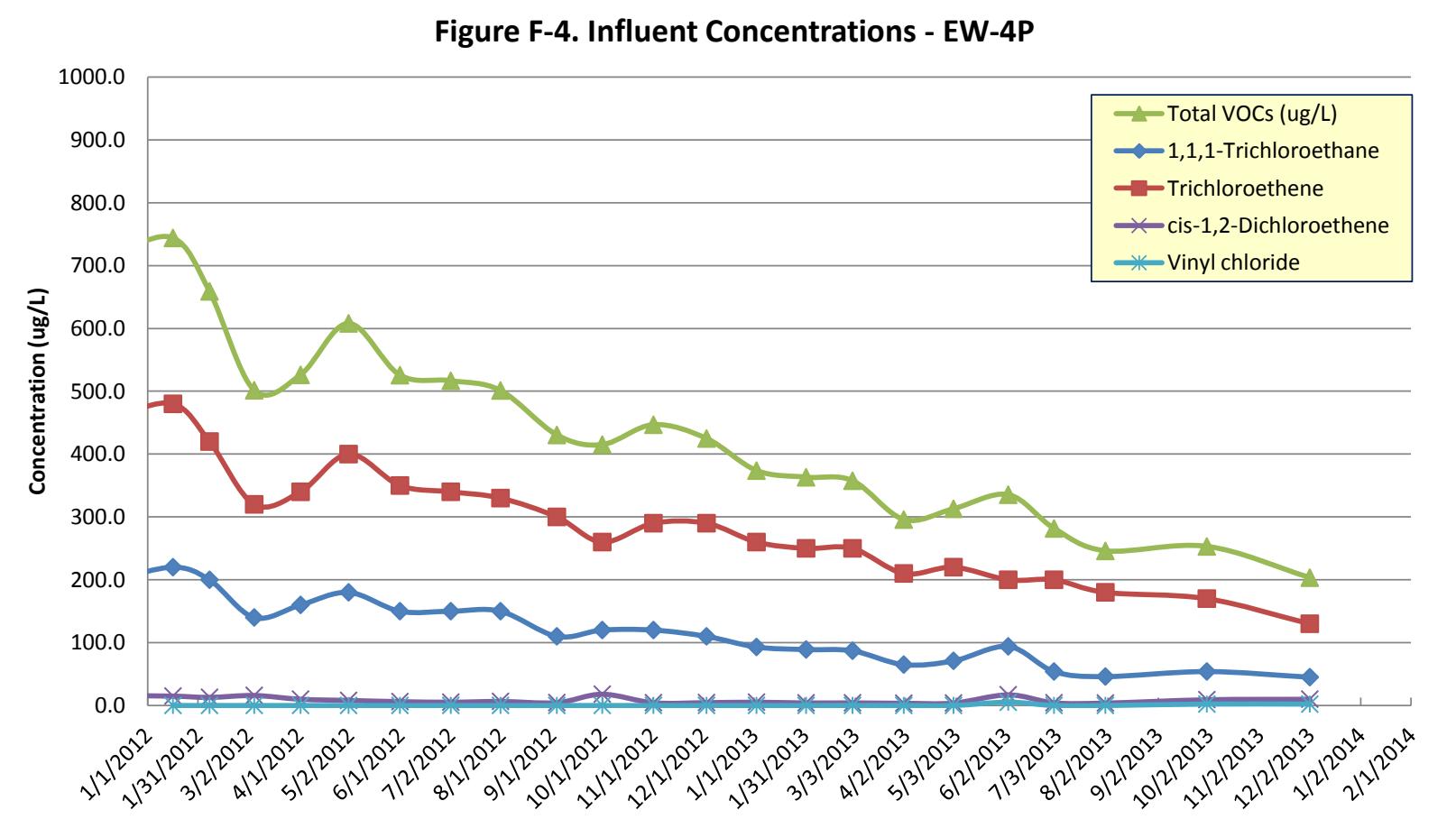


Figure F-5. Influent Concentrations - EW-5P

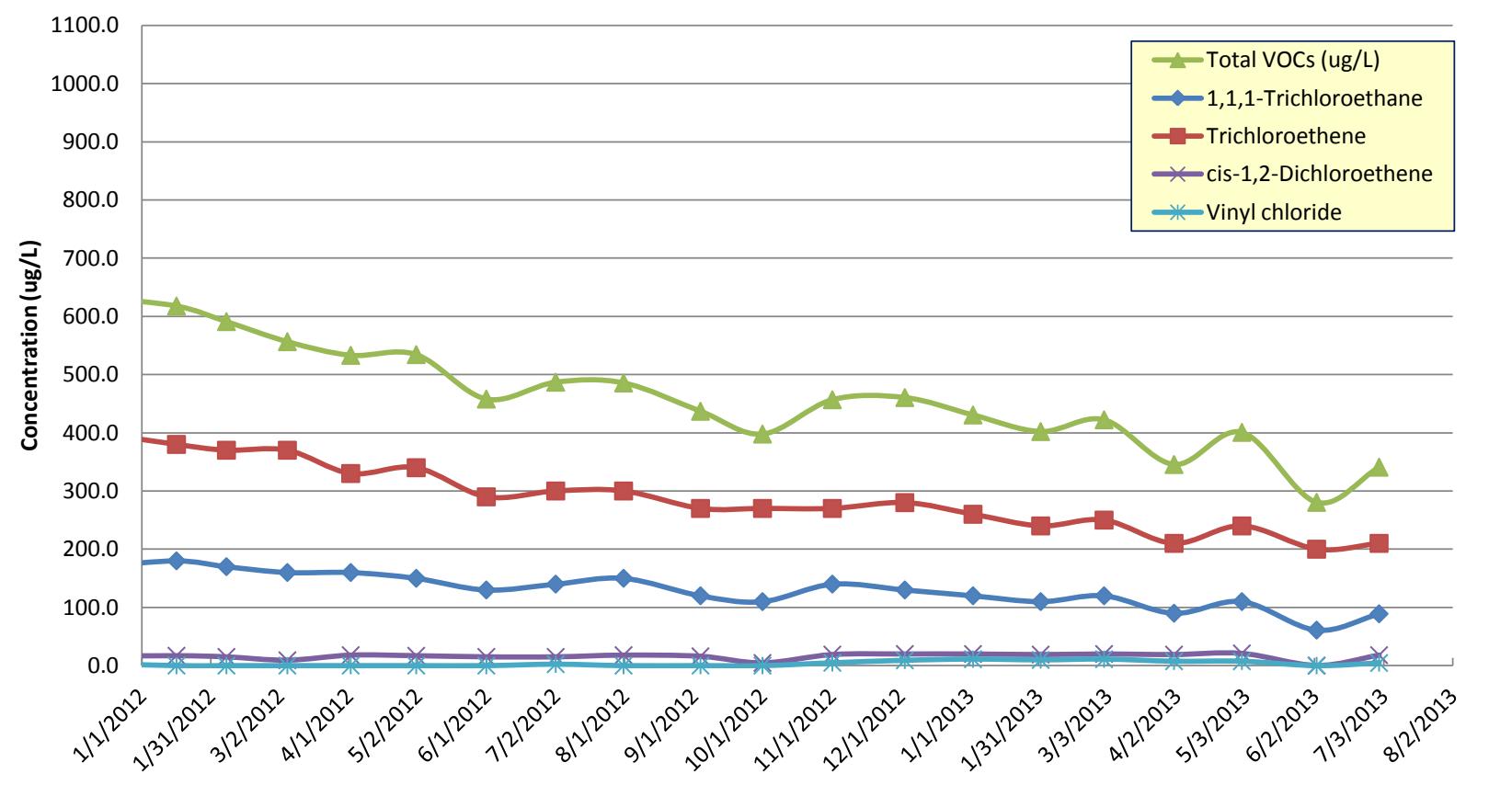
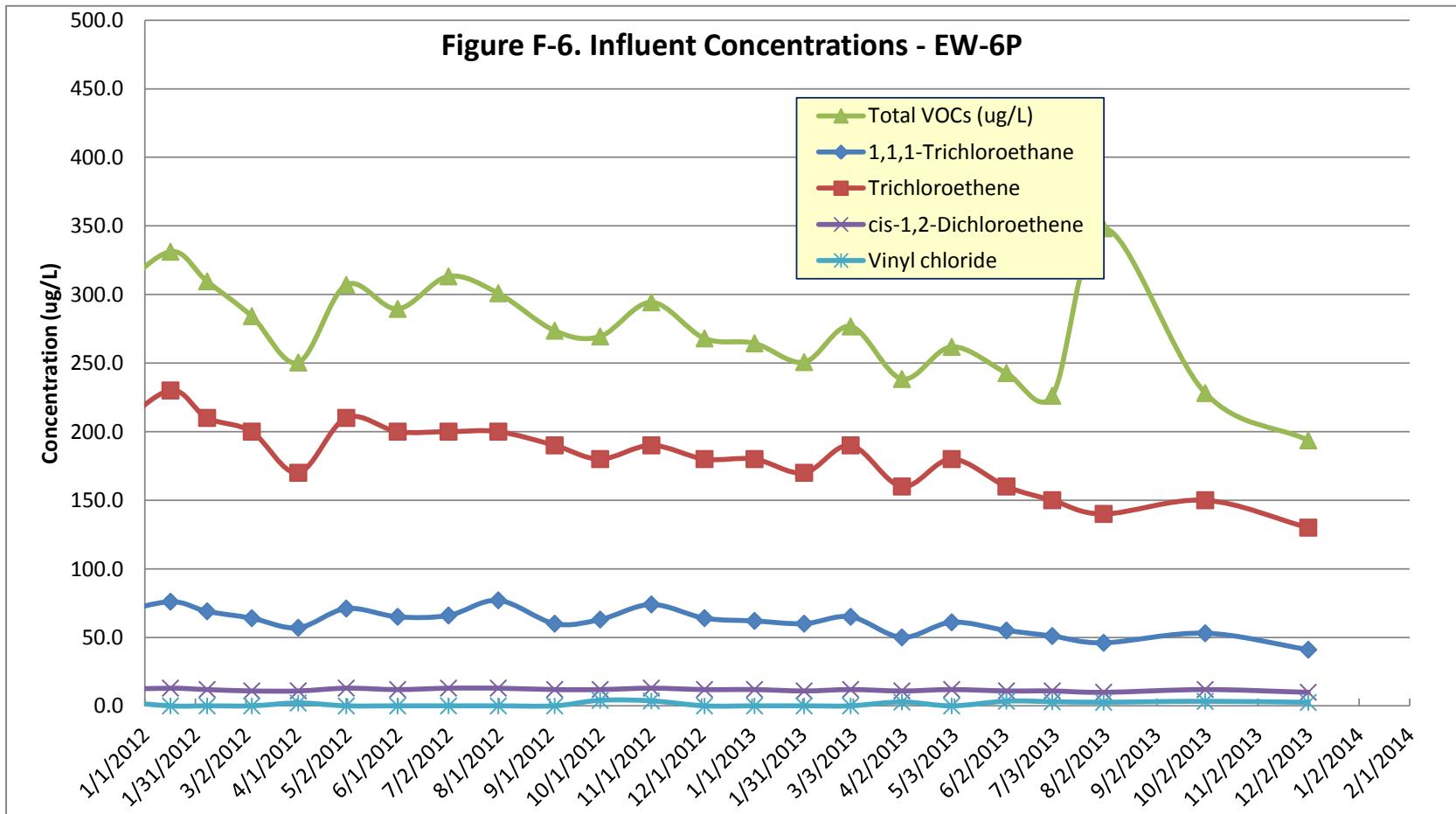
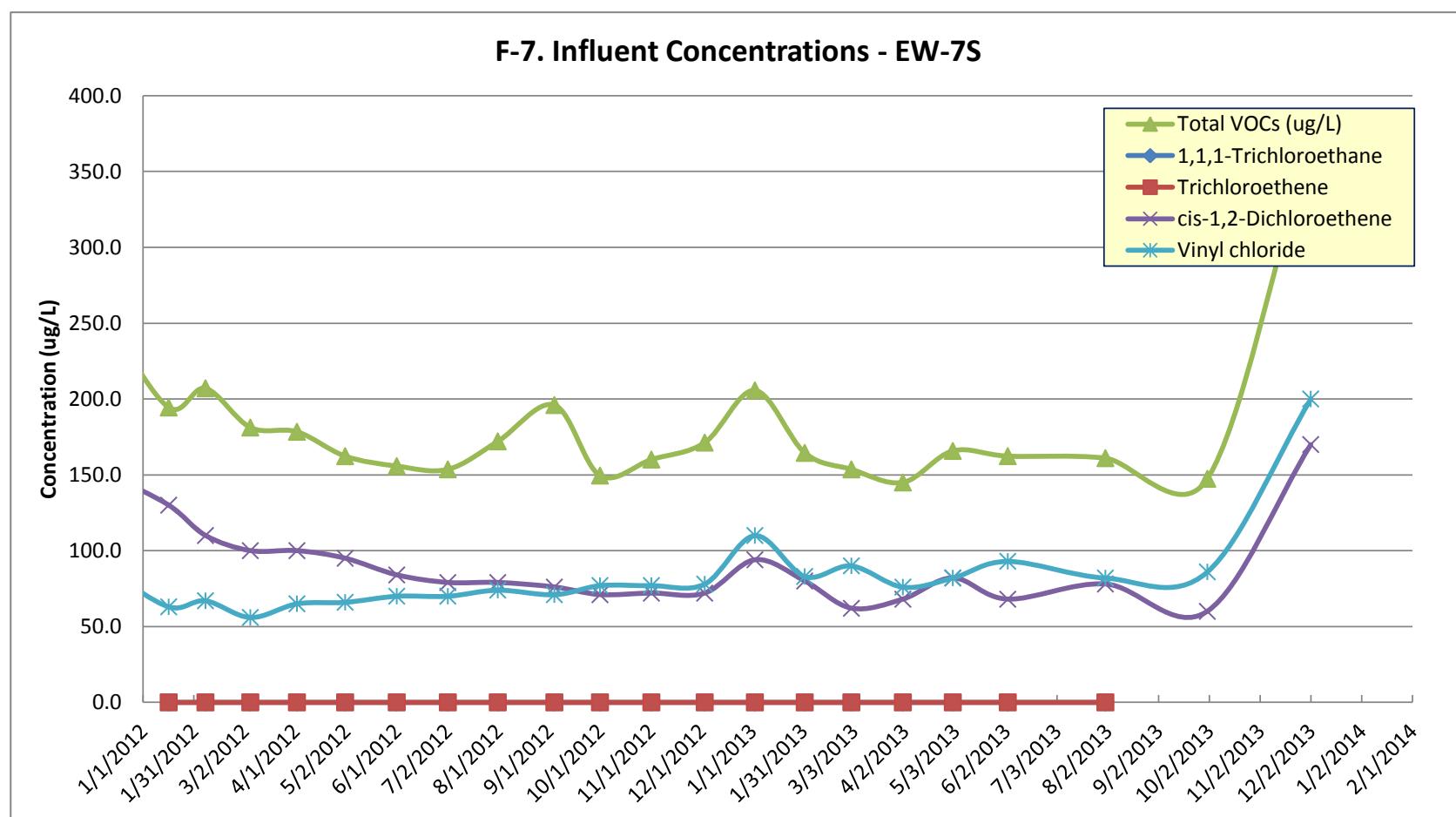
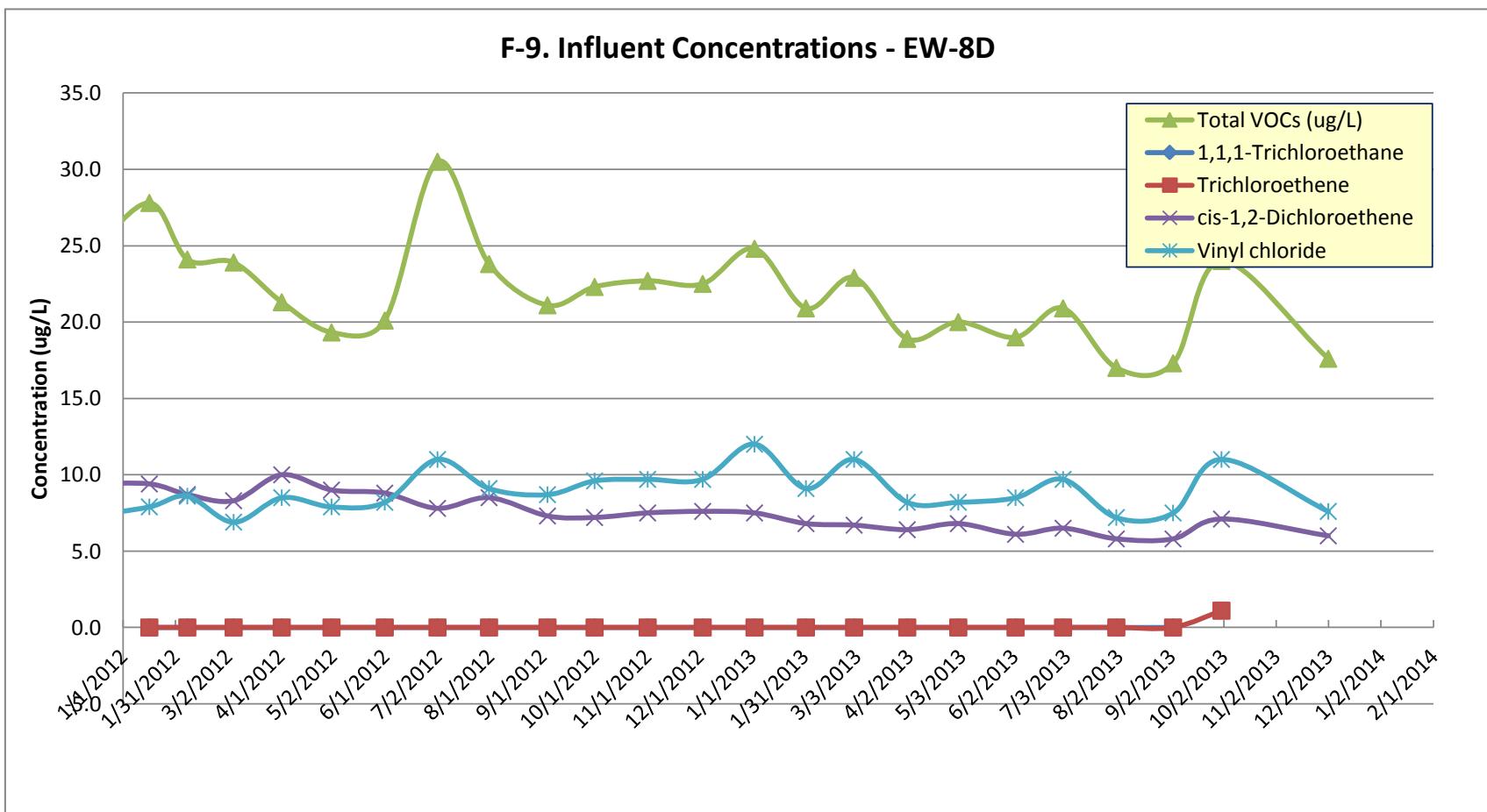
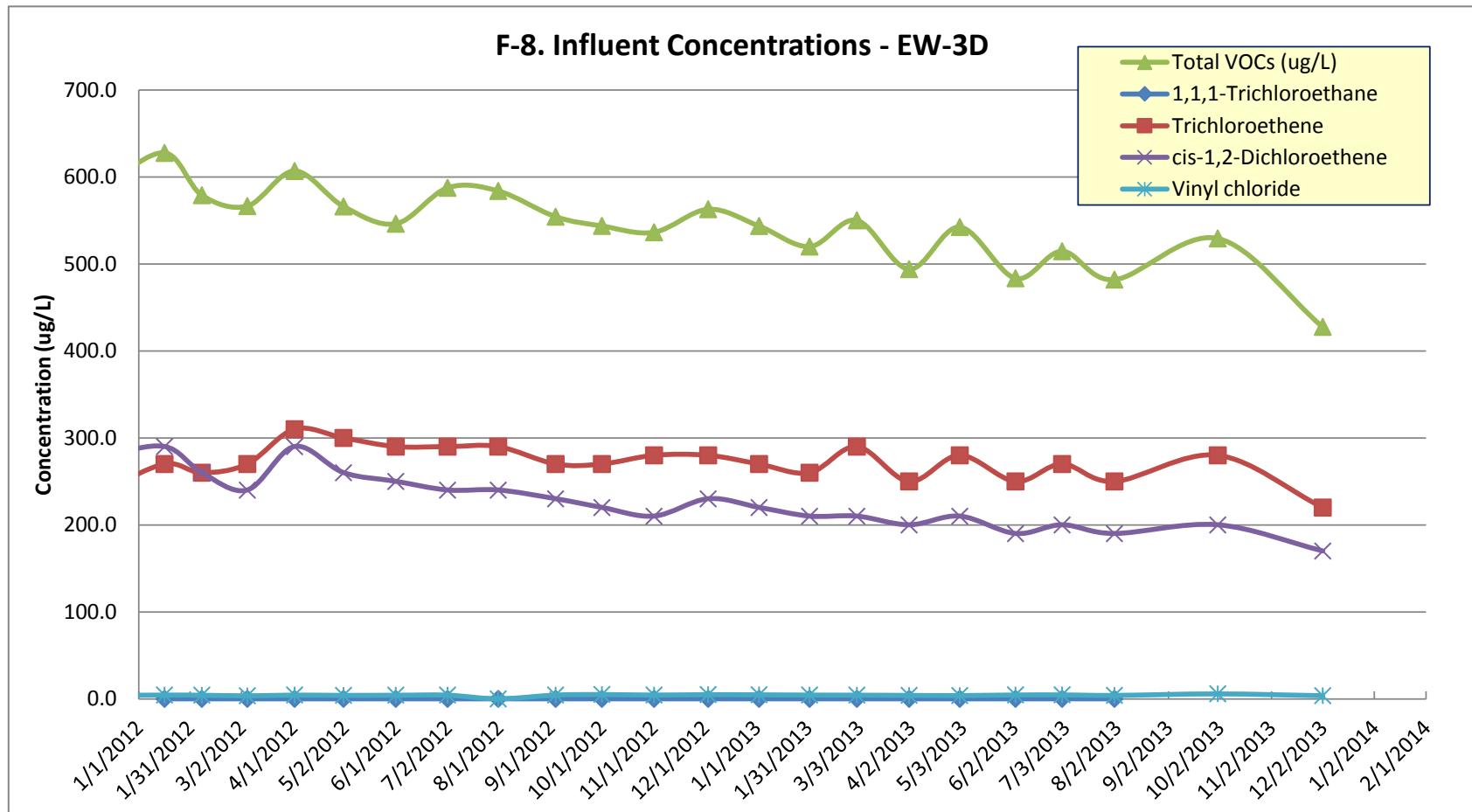


Figure F-6. Influent Concentrations - EW-6P







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